mental retardation grants

Fiscal Year - 1969

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
DISCRIMINATION PROHIBITED--Title VI of the Civil Rights Act of 1964 states: "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance." Therefore, the programs of financial assistance for the handicapped, like every program or activity receiving financial assistance from the Department of Health, Education, and Welfare, must be operated in compliance with this law.
Mental Retardation Grants

Fiscal Year 1969

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Patricia Reilly Hitt, Assistant Secretary for Community and Field Services

The Secretary's Committee on Mental Retardation
Washington, D.C. December 1969
INTRODUCTION

This publication contains the Mental Retardation Project Grants awarded by the U. S. Department of Health, Education, and Welfare in Fiscal Year 1969 (July 1, 1968 - June 30, 1969). It is arranged in two parts; Part I includes a listing of the construction and training grants while Part II contains a listing of research and demonstration grants.

A system of classification devised by the Research Subcommittee of the Secretary's Committee on Mental Retardation has been used in arranging the Research and Demonstration Grants in Part II starting on page 31 in a systematized manner.

The classification system used for the Research and Demonstration Grants is as follows:

1. Etiology
2. Epidemiology
3. Pathophysiology
4. Diagnosis and/or Evaluation
5. Prevention
6. Amelioration
   a. Education
   b. Vocational Rehabilitation
   c. Medical Treatment
7. Other

The Secretary's Committee on Mental Retardation Subcommittee on Research in arriving at the classification system, first agreed upon functional definitions for the terms used in the classification system. These definitions are included here for purposes of information.

1. Etiology includes all factors which cause mental retardation. These may be specific disease entities, trauma poisonings, or similar factors. All research directly and uniquely related to a single disease agent is included.

2. Epidemiology includes those studies which relate to epidemiology of mental retardation, but not any of the specific diseases. Specific disease entities which might be etiologic agents of mental retardation have their epidemiology studies included under that disease alone.

3. Pathophysiology intends to consider all changes and events which are related to mental retardation and independent of etiology. It is possible that some of the projects included here apply to several different diseases.
4. **Diagnosis and/or Evaluation** includes those projects which are related to the evaluation of brain function and the mentally retarded state, rather than a specific disease entity which might cause mental retardation. Diagnostic procedures which are specific for a disease entity are included under studies of that disease under "Etiology."

5. **Prevention** includes those projects aimed at the prevention of a disease which might possibly result in mental retardation. The disease may be prevented by elimination of some vector or etiological agent.

6. **Amelioration** includes those projects relating to the training, education, rehabilitation of the retarded or in effect helping them to pursue a better life or to better adjust to their situation.

7. **Other** includes those projects which do not appear to clearly fall within the previous 6 classification categories.

An abstract describing the purpose of the research or demonstration project is included for most grants.

There are some project grants with the notation "No abstract supplied." This means that the funding agency did not furnish a project grant abstract to the Secretary's Committee and hence no narrative material was available to include with the project.

The subject index on page 57 classifies the project grant by the narrative abstract statement furnished by the funding agency. The subject in the index is followed by a number assigned to the project grant which will enable the reader to easily locate his area of interest. An additional index of project grant by State is included on pages 67-73.

Additional information concerning the grants shown in this publication may be secured from the grantee or the agency awarding the grant.

A full discussion of the Department's mental retardation programs will be found in Mental Retardation Activities of the Department of Health, Education, and Welfare, January 1970. This is available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402, price $1.00 per copy.
Explanation of Format

In both parts of this publication a code precedes the title of the grant followed by the name and address of the grantee. The dates indicate either the date the grant was awarded, or the inclusive dates for which funds were made available. There is also designation of the grant as initial or renewal and the amount of money shown represents only the funds awarded in fiscal year 1969.

The capital letters following the amount of money indicates the agency making the award:

**HSMHA:** Health Services and Mental Health Administration  
**HSPCS:** Health Services Planning and Construction Service  
**NIMH:** National Institute of Mental Health

**NIH:** National Institutes of Health  
**NICHD:** National Institute of Child Health and Human Development  
**NINDS:** National Institute of Neurological Diseases and Stroke

**OE:** Office of Education  
**OFPU:** Division of Surplus Property Utilization

**SRS:** Social and Rehabilitation Service  
**SRS/ORDT:** Office of Research, Demonstration, and Training  
**SRS/CB:** Children's Bureau  
**SRS/DMR:** Division of Mental Retardation  
**SRS/P:** Partnership for Health 314(e) grants  
**SRS/RSA:** Rehabilitation Services Administration
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ALABAMA

TRAINING

01B005 A PROGRAM FOR THE TRAINING OF CLINICAL PSYCHOLOGISTS FOR THE FIELD OF MENTAL RETARDATION UNIVERSITY OF ALABAMA, BIRMINGHAM FY 1969, RENEWAL, $79,905. SRS-P

01B010 CENTER FOR DEVELOPMENTAL AND LEARNING DISORDERS UNIVERSITY OF ALABAMA, BIRMINGHAM 1/1/69-12/31/69, RENEWAL, $648,669. SRS-CB

01B015 CYTOGENETIC STUDIES IN MENTAL RETARDATION AND BIRTH DEFECTS UNIVERSITY OF ALABAMA, BIRMINGHAM 7/1/68-6/30/69, RENEWAL, $31,990. SRS-CB

01B020 DIAGNOSTIC SERVICE FOR MENTALLY RETARDED CHILDREN UNIVERSITY OF ALABAMA, BIRMINGHAM STATE DEPARTMENT OF PUBLIC HEALTH, MONTGOMERY 7/1/68-6/30/69, RENEWAL, $34,140. SRS-CB

01B025 INTENSIVE INDIVIDUAL TRAINING UNIT, PARTLOW STATE SCHOOL AND HOSPITAL, TUSCALOOSA 6/25/69-5/31/70, INITIAL, $81,797. SRS-DMR

01B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF ALABAMA ENGINEERING, BIRMINGHAM 6/1/69-RENEWAL, $79,700. SRS-DMR

01B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN AUBURN UNIVERSITY, AUBURN 6/1/69-8/31/70, INITIAL, $70,650. SRS-DMR

01B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, MONTGOMERY FY 1969, RENEWAL, $58,750. SRS-P

01B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN TUSKEGEE INSTITUTE, TUSKEGEE 6/1/69-8/31/70, INITIAL, $15,900. SRS-DMR

01B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN TUSKEGEE INSTITUTE, TUSKEGEE 6/1/69-8/31/70, INITIAL, $15,900. SRS-DMR

01B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF ALABAMA, BIRMINGHAM FY 1969, RENEWAL, $30,000. SRS-P

01B060 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF ALABAMA, BIRMINGHAM FY 1969, RENEWAL, $39,300. SRS-P

01B065 REGIONAL TRAINING CENTER IN MENTAL RETARDATION UNIVERSITY OF ALABAMA, BIRMINGHAM FY 1969, RENEWAL, $91,306. SRS-P

01B070 DIAGNOSTIC AND GUIDANCE CENTER, CHILDREN'S CENTER MONTGOMERY STATE DEPARTMENT OF PUBLIC HEALTH, MONTGOMERY 7/1/69-6/30/69, RENEWAL, $64,831. SRS-CB

CONSTRUCTION

01C005 COMMUNITY FACILITIES CONSTRUCTION, LURLEEN B. WALLACE HOSPITAL, DECATER 6/12/69, INITIAL, $79,905. SRS-DMR

01C015 COMMUNITY FACILITIES CONSTRUCTION, LURLEEN B. WALLACE HOSPITAL, DECATER 6/12/69, INITIAL, $257,400. SRS-DMR

01C020 COMMUNITY FACILITIES CONSTRUCTION, RETARDED CHILDREN'S SCHOOL, MONTGOMERY 6/26/69, INITIAL, $120,000. SRS-DMR

ALASKA

TRAINING

02B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, JUNEAU FY 1969, RENEWAL, $201,213 HSMHA-HFPCS

CONSTRUCTION

02C005 COMMUNITY FACILITIES CONSTRUCTION, HARBOR VIEW MEMORIAL HOSPITAL, VALDEZ 6/18/69, INITIAL, $114,400. SRS-DMR

OTHER

02D005 ANCHORAGE RETARDED CHILDREN ASSOCIATION, ANCHORAGE 1/15/69-11/14/470, INITIAL, $25,230. SRS RSA

02D010 CHILD STUDY CENTER, ANCHORAGE STATE DEPARTMENT OF HEALTH AND WELFARE, JUNEAU 7/1/69-11/14/69, RENEWAL, $32,100. SRS-CB

02D015 FAIRBANKS REHABILITATION ASSOCIATION, FAIRBANKS 6/1/69-11/14/69, INITIAL, $5,220. SRS RSA
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

ARIZONA

TRAINING
04B005 INSERVICE TRAINING PROGRAM FOR ATTENDANT PERSONNEL MR ARIZONA CHILDREN'S COLONY, COOLIDGE 7/1/69-6/30/70, RENEWAL, $24,499, SRS-DMR
04B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN ARIZONA STATE UNIVERSITY, TEMPE FY 1969, RENEWAL, $14,400, O.E.
04B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NORTHERN ARIZONA UNIVERSITY, FLAGSTAFF FY 1969, RENEWAL, $17,700, O.E.
04B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, PHOENIX FY 1969, RENEWAL, $46,624, O.E.
04B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF ARIZONA, TUCSON FY 1969, RENEWAL, $43,500, O.E.

CONSTRUCTION
04C005 COMMUNITY FACILITIES CONSTRUCTION, TUCSON MENTAL RETARDATION CENTER, TUCSON 10/68, INITIAL, $200,000, SRS-DMR

OTHER
04D005 A DEVELOPMENTAL PROGRAM FOR THE SEVERELY RETARDED, ARIZONA CHILDREN'S COLONY, COOLIDGE 2/1/69-1/31/70, RENEWAL, $97,132, SRS-DMR
04D010 ARIZONA JOB COLLEGES, PHOENIX 6/30/69-6/29/70, INITIAL, $73,000, SRS RSA
04D015 ARIZONA STATE UNIVERSITY, DEPARTMENT OF SPECIAL EDUCATION, TEMPE 6/30/69-6/29/70, INITIAL, $9,000, SRS RSA
04D020 CHILD DEVELOPMENTAL CENTER, MARICOPA COUNTY STATE DEPARTMENT OF HEALTH, PHOENIX 7/1/69-6/30/69, RENEWAL, $121,056, SRS-CB
04D025 CHILDREN'S EVALUATION CENTER, SOUTHERN ARIZONA, PIMA COUNTY STATE DEPARTMENT OF HEALTH, PHOENIX 7/1/69-6/30/69, RENEWAL, $109,984, SRS-CB
04D030 CROSSROADS REHABILITATION CENTER, PHOENIX 3/1/69-2/28/70, INITIAL, $8,460, SRS RSA
04D035 MR INITIAL STAFFING, ARIZONA FOUNDATION FOR THE HANDICAPPED, PHOENIX 9/1/69-8/31/70, INITIAL, $16,637, SRS-DMR
04D040 MR INITIAL STAFFING, DOUGLAS ASSOCIATION FOR RETARDED CHILDREN, DOUGLAS 9/1/69-8/31/70, INITIAL, $4,935, SRS-DMR
04D045 MR INITIAL STAFFING, MARICOPA ASSOCIATION FOR RETARDED CHILDREN, PHOENIX 9/1/69-8/31/70, INITIAL, $6,525, SRS-DMR
04D050 MR INITIAL STAFFING, SANTA CRUZ COUNTY ASSOCIATION FOR MENTALLY RETARDED CHILDREN, INC., NOGALES 9/1/69-8/31/70, INITIAL, $17,250, SRS-DMR
04D060 MR INITIAL STAFFING, TUCSON ELEMENTARY SCHOOL DISTRICT NO. 1, TUCSON 8/1/69-7/31/70, INITIAL, $19,830, SRS-DMR
04D065 MR INITIAL STAFFING, VALLEY OF THE SUN SCHOOL, PHOENIX 9/1/69-8/31/70, INITIAL, $29,550, SRS-DMR
04D070 MR INITIAL STAFFING, YUMA COUNTY ASSOCIATION FOR RETARDATES, INC., YUMA 8/1/69-7/31/70, INITIAL, $8,550, SRS-DMR
04D075 STUDY OF COOPERATIVE ARRANGEMENTS FOR MENTAL HEALTH SERVICE NORTH ARIZONA COMPREHENSIVE GUIDANCE CENTER, FLAGSTAFF FY 1969, INITIAL, $39,287, SRS-P

ARKANSAS

TRAINING
05B005 INSERVICE TRAINING FOR ATTENDANT PERSONNEL MR ARKANSAS CHILDREN'S COLONY, CONWAY 7/1/69-6/30/70, RENEWAL, $15,000, SRS-DMR
05B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN ARKANSAS STATE TEACHERS COLLEGE, CONWAY FY 1969, RENEWAL, $92,500, O.E.
05B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN ARKANSAS STATE UNIVERSITY, STATE COLLEGE FY 1969, RENEWAL, $23,300, O.E.
05B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, LITTLE ROCK FY 1969, RENEWAL, $67,100, O.E.
05B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF ARKANSAS, FAYETTEVILLE FY 1969, RENEWAL, $9,000, O.E.
05B030 STATEWIDE PLANNING FOR HEALTH & HEALTH RELATED PERSONNEL TRAINING TO SERVE THE MENTALLY RETARDED COMMISSION ON COORDINATION OF HIGHER EDUCATION FINANCE, LITTLE ROCK FY 1969, RENEWAL, $34,078, SRS-P

CONSTRUCTION
05C005 COMMUNITY FACILITIES CONSTRUCTION, WASHINGTON COUNTY SCHOOL FOR RETARDED CHILDREN, FAYETTEVILLE 6/27/69, INITIAL, $65,000, SRS-DMR

OTHER
05D005 CHILD DEVELOPMENT CENTER, LITTLE ROCK STATE BOARD OF HEALTH, LITTLE ROCK 7/1/69-6/30/69, RENEWAL, $68,142, SRS-CB
05D010 FACILITY IMPROVEMENT GRANT ABILITIES UNLIMITED INC., HOT SPRINGS 5/21/69-4/30/70, RENEWAL, $7,086, SRS-RSA
05D015 FACILITY IMPROVEMENT GRANT ABILITIES UNLIMITED INC., MAGNOLIA 6/1/69-5/31/70, RENEWAL, $8,552, SRS-RSA
05D020 FACILITY IMPROVEMENT GRANT TEXARKANA SHELTERED WORKSHOP INC., TEXARKANA 6/1/69-5/31/70, RENEWAL, $7,182, SRS-RSA
05D025 MID-ARKANSAS RIVER VALLEY AREA WORKSHOP, RUSSELLVILLE 10/1/69-9/30/69, INITIAL, $4,950, SRS-RSA
05D030 TRAINING FOR THE PROFOUND THROUGH BORDERLINE RETARDATE, ARKANSAS CHILDREN'S COLONY, CONWAY 11/15/68-11/14/69, RENEWAL, $91,250, SRS-DMR
05D035 MR INITIAL STAFFING, ARKANSAS SOCIETY FOR CRIPPLED CHILDREN, PINE BLUFF 9/1/69-8/31/70, INITIAL, $14,245, SRS-DMR
05D040 MR INITIAL STAFFING, BOST SCHOOL FOR LIMITED CHILDREN, INC., FORT SMITH 9/1/69-8/31/70, INITIAL, $13,555, SRS-DMR
05D045 MR INITIAL STAFFING, LAFAYETTE ASSOCIATION FOR RETARDED CHILDREN, STAMPS 2/1/70-1/31/71, INITIAL, $14,094, SRS-DMR
05D046 MR INITIAL STAFFING, NORTH HILLS EXCEPTIONAL CHILDREN'S SCHOOL, NORTH LITTLE ROCK 2/1/70-1/31/71, INITIAL, $4,950, SRS-DMR
05D050 MR INITIAL STAFFING, SOUTHEASTERN ARIZONA ASSOCIATION FOR THE MENTALLY RETARDED, BENTON 9/1/69-8/31/70, INITIAL, $7,047, SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

CALIFORNIA

06B005 CONTINUING EDUCATION - MENTAL RETARDATION UNIVERSITY OF CALIFORNIA, LOS ANGELES, FY 1969, RENEWAL, $40,860, NIMH

06B010 CYTOGENETIC LAB IN A CHILD DEVELOPMENT AND MENTAL RETARDATION CENTER LOS ANGELES COUNTY GENERAL HOSPITAL, LOS ANGELES 7/1/68-6/30/69, RENEWAL, $74,929, SRS-CB

06B015 CYTOGENETIC UNIT CHILDREN'S HOSPITAL OF LOS ANGELES, LOS ANGELES 7/1/68-6/30/69, RENEWAL, $138,756, SRS-CB

06B020 FIELD INSTRUCTION OF REHABILITATION COUNSELING CALIFORNIA STATE COLLEGE, LOS ANGELES 9/1/68-8/31/69, RENEWAL, $71,000, SRS-RSA

06B025 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS SAN DIEGO STATE COLLEGE, SAN DIEGO 6/15/69-6/14/70, INITIAL, $12,334 SRS RSA

06B030 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS UNIVERSITY OF CALIFORNIA, BERKELEY 9/1/68-8/31/69, RENEWAL, $34,505, SRS-RSA

06B035 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS UNIVERSITY OF CALIFORNIA, LOS ANGELES 7/1/68-8/31/69, RENEWAL, $46,651, SRS-RSA

06B040 GRADUATE PEDIATRIC TRAINING - HANDICAPPED CHILDREN UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES 10/1/68-6/30/69, RENEWAL, $40,933, SRS-CB

06B045 INSERVICE TRAINING PRIMARILY FOR NURSING STAFF MR SONOMA STATE HOSPITAL, ELDRIDGE 7/1/68-6/30/70, RENEWAL, $53,635, SRS DMR

06B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CALIFORNIA STATE COLLEGE AT FULLERTON, FULLERTON FY 1969, RENEWAL, $48,300, OE

06B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CALIFORNIA STATE COLLEGE AT LONG BEACH, LONG BEACH FY 1969, RENEWAL, $35,800, OE

06B060 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CALIFORNIA STATE, CALIFORNIA FY 1969, RENEWAL, $26,600, OE

06B065 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CALIFORNIA STATE COLLEGE AT LOS ANGELES, LOS ANGELES FY 1969, RENEWAL, $80,700, OE

06B070 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN FRESNO STATE COLLEGE, FRESNO FY 1969, RENEWAL, $15,900, OE

06B075 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SAN DIEGO STATE COLLEGE, SAN DIEGO FY 1969, RENEWAL, $33,000, OE

06B080 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SAN FRANCISCO STATE COLLEGE, SAN FRANCISCO FY 1969, RENEWAL, $130,100, OE

06B085 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SAN JOSE STATE COLLEGE, SAN JOSE FY 1969, RENEWAL, $51,700, OE

06B090 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SONOMA STATE COLLEGE, SONOMA 6/1/69-8/31/70, INITIAL, $5,900, OE

06B095 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF CALIFORNIA AT LOS ANGELES, LOS ANGELES FY 1969, RENEWAL, $22,987, OE

06B100 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES FY 1969, RENEWAL, $37,100, OE

06B105 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE EDUCATION AGENCY, SACRAMENTO 6/1/69-8/31/70, INITIAL, $41,322, OE

06B110 PSYCHIATRY-MENTAL RETARDATION UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, FY 1969, RENEWAL, $115,107, NIMH

06B115 SUMMER WORK STUDY PROGRAM IN MENTAL RETARDATION STATE OF CALIFORNIA, SACRAMENTO FY 1969, RENEWAL, $33,831, SRS-P

06B120 TRAINING SERVICES GRANT COMMUNITY REHABILITATION INDUSTRIES, LONG BEACH 6/25/69-6/24/70, RENEWAL, $161,500, SRS-RSA

06B125 TRAINING OF STAFF IN AN INDUSTRIAL THERAPY APPROACH MR P. UNIVERSITY OF CALIFORNIA, LOS ANGELES 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

06B130 TRAINING PROGRAM FOR METABOLIC DISORDERS CHILDREN'S HOSPITAL OF LOS ANGELES, LOS ANGELES 7/1/68-6/30/69, RENEWAL, $179,605, SRS-CB

06B135 TRAINING PROGRAM FOR RETARDED BLIND AND DEAF CHILDREN, SONOMA STATE HOSPITAL, ELDRIDGE 12/1/68-11/30/69, RENEWAL, $54,505, SRS-DMR

06B140 TRAINING PROGRAM IN MEDICAL GENETICS UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES FY 1969, RENEWAL, $135,426, SRS-P

06B145 TRAINING PROGRAM IN MENTAL RETARDATION UNIVERSITY OF SOUTHERN CALIFORNIA, BERKELEY 7/1/68-6/30/69, RENEWAL, $129,617 SRS-CB

06B150 UNIVERSITY-AFFILIATED TRAINING - MULTIHANDICAPPED CHILDREN'S HOSPITAL OF LOS ANGELES, LOS ANGELES 7/1/68-6/30/69, RENEWAL, $299,457, SRS-CB

CONSTRUCTION

06C005 COMMUNITY FACILITIES CONSTRUCTION, LORI LYNN RESIDENT SCHOOL, FRESNO 4/16/69, INITIAL, $428,997, SRS-DMR

06C010 COMMUNITY FACILITIES CONSTRUCTION, PARKLANE RESIDENTIAL SCHOOL, EL TORO 6/9/69, INITIAL, $391,218, SRS-DMR

OTHER

06D005 AN ADMISSION-RELEASE PROGRAM FOR SEVERELY RETARDED, PACIFIC STATE HOSPITAL, POMONA 2/1/69-1/31/70, RENEWAL, $98,593, SRS-DMR

06D010 COLLABORATIVE STUDY OF TREATMENT OF CHILDREN CHILDREN'S HOSPITAL OF LOS ANGELES, LOS ANGELES 7/1/68-6/30/70, RENEWAL, $126,453 SRS-CB

06D015 CREATING THERAPEUTIC PYRAMIDS USING MENTAL RETARDATION PATIENTS FAIRVIEW STATE HOSPITAL, COSTA MESA FY 1969, RENEWAL, $61,235 SRS-P

06D020 EDDIE CANTOR CHARITABLE FOUNDATION, VAN NUYS 5/15/69-5/14/70, INITIAL, $4,090, SRS RSA

06D025 FACILITY IMPROVEMENT GRANT CONTRA COSTA COMMUNITY WORKSHOPS, INC., RICHMOND 6/17/68-6/16/69, RENEWAL, $187,187, SRS-RSA

06D030 FACILITY IMPROVEMENT GRANT CONTRA COSTA COMMUNITY WORKSHOPS, INC., RICHMOND 1/1/69-12/31/69, RENEWAL, $15,665, SRS RSA

06D035 FACILITY IMPROVEMENT GRANT SHELTERED WORKSHOPS OF SAN DIEGO, INC., SAN DIEGO 10/1/68-9/30/69, RENEWAL, $12,764 SRS-RSA

06D040 MENTAL RETARDATION COMMUNITY SERVICE CENTER CHILDREN'S HOSPITAL OF LOS ANGELES, LOS ANGELES FY 1969, RENEWAL, $126,996, SRS-P

06D045 MENTAL RETARDATION DIAGNOSTIC FIELD CLINICS, CHILDREN'S HOSPITAL OF LOS ANGELES, LOS ANGELES STATE DEPARTMENT OF PUBLIC HEALTH, BERKELEY 7/1/68-6/30/69, RENEWAL, $103,512 SRS-CB
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

COLORADO

TRAINING

08B005 A MULTIDISCIPLINARY POST GRADUATE TRAINING PROGRAM IN MENTAL RETARDATION AT THE UNIVERSITY OF COLORADO MEDICAL CENTER, DENVER FY 1969, RENEWAL, $177,372, SRS-P

08B010 ENRICHED TRAINING PROGRAM WITH TOTAL STAFF INVOLVEMENT MR STATE HOME AND TRAINING SCHOOL, GRAND JUNCTION 7/1/69-6/30/70, INITIAL, $26,615, SRS-DMR

08B015 FIELD INSTRUCTION OF SOCIAL WORK UNIVERSITY OF DENVER, DENVER 6/1/69-5/31/70, RENEWAL, $45,148, SRS-DMR

08B020 INSERVICE TRAINING FOR NON-PROFESSIONAL AND PROFESSIONAL STAFF MR STATE HOME AND TRAINING SCHOOL, WHEAT RIDGE 7/1/69-6/30/70, INITIAL, $25,000, SRS-DMR

08B025 LABORATORY TRAINING IN MENTAL RETARDATION UNIVERSITY OF COLORADO, DENVER 7/1/69-6/30/69, RENEWAL, $244,615, SRS-CB

08B029 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN LORETTO HEIGHTS COLLEGE, LORETTO FY 1969, RENEWAL, $11,800. OE

08B030 POST R. N. INDIVIDUAL TRAINESHIP FOR SUSAN ROSEN LORETTO HEIGHTS COLLEGE, LORETTO FY 1969, INITIAL, $4,625, SRS-P

08B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN COLORADO STATE COLLEGE, GREELEY FY 1969, RENEWAL, $14,200. OE

08B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, DENVER FY 1969, RENEWAL, $14,810. OE

CONSTRUCTION

08C005 COMMUNITY FACILITIES CONSTRUCTION, UNIVERSITY OF DENVER, DENVER 6/30/69, INITIAL, $95,000, SRS-DMR

OTHER

08D005 BEHAVIOR MODIFICATION PROGRAM TO DEVELOP SELF-Help SKILLS, STATE HOME AND TRAINING SCHOOL, WHEAT RIDGE 6/15/69-5/31/70, RENEWAL, $57,975, SRS-DMR

08D010 FACILITY IMPROVEMENT GRANT, LARADON HALL SOCIETY, DENVER 11/1/68-10/31/69, RENEWAL, $11,900, SRS-DMR

08D015 FACILITY IMPROVEMENT GRANT, NEW HOPE INC, FLORENCE 3/1/69-2/28/70, RENEWAL, $12,632, SRS-DMR

08D020 HABILITATION TO PREVENT LONG TERM INSTITUTIONALIZATION, STATE HOME AND TRAINING SCHOOL, GRAND JUNCTION 6/25/69-5/31/70, INITIAL, $35,420, SRS-DMR

08D025 MR INITIAL STAFFING ADAMS CO. CC FOR THE RETARDED AND SERILOUSLY HANDICAPPED, COMMERCE CITY 9/1/69-8/31/70, INITIAL, $17,250, SRS-DMR

08D030 MR INITIAL STAFFING, DENVER BOARD FOR THE MR AND SERIOUSLY HANDICAPPED, INC., DENVER 9/1/69-8/31/70, INITIAL, $26,775, SRS-DMR

08D035 MR INITIAL STAFFING, LARADON HALL SOCIETY FOR EXCEPTIONAL CHILDREN, DENVER 9/1/69-8/31/70, INITIAL, $50,845, SRS-DMR

08D040 MR INITIAL STAFFING, LAS ANIMAS CO. CENTER FOR THE HANDICAPPED, INC., TRINIDAD 7/1/69-6/30/70, INITIAL, $6,000, SRS-DMR

08D042 MR INITIAL STAFFING, PLEAL COUNTY ACCOMMODATION SCHOOLS, FLORENCE 9/1/69-8/31/70, INITIAL, $9,592, SRS-DMR

08D045 PROGRAM FOR PROMOTING MAXIMUM REHABILITATION OF MENTALLY RETARDED CHILDREN IN COLORADO, DENVER STATE DEPARTMENT OF PUBLIC HEALTH, DENVER 7/1/68-6/30/69, RENEWAL, $236,000, SRS-CB

08D050 PROGRAM IMPROVEMENT FOR INSTITUTIONALLY DEPRIVED MALES, STATE HOME AND TRAINING SCHOOL, GRAND JUNCTION 6/1/69-5/31/70, RENEWAL, $19,542, SRS-DMR

08D055 THERAPEUTIC RESIDENTIAL FACILITY FOR MENTALLY RETARDED LARADON HALL SOCIETY, DENVER FY 1969, RENEWAL, $78,534, SRS-P
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

CONNECTICUT

TRAINING
09B005 FIELD INSTRUCTION OF SOCIAL WORK UNIVERSITY OF CONNECTICUT, STORRS 9/1/68-8/31/69, RENEWAL, $31,373. SRS-RSA
09B010 INDIVIDUAL TREATMENT OF RESIDENTS BY INSERVICE STAFF MR MANSFIELD TRAINING SCHOOL, MANSFIELD DEPOT 7/1/69-6/30/70, RENEWAL, $25,000. SRS-DMR
09B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE UNIVERSITY OF CONNECTICUT, STORRS 7/1/69-6/30/70, RENEWAL, $77,200. OE
09B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF CONNECTICUT, STORRS 7/1/69-6/30/70, RENEWAL, $12,300. OE
09B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN ST. JOSEPH COLLEGE, WEST HARTFORD FY 1969, RENEWAL, $8,700. OE
09B030 UPGRADE ORIENTATION AND TRAINING FOR COTTAGE AIDS MR MANSFIELD TRAINING SCHOOL, SOUTH BURY 7/1/69-6/30/70, RENEWAL, $24,974. SRS-DMR
09B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF CONNECTICUT, STORRS FY 1969, RENEWAL, $70,300. OE

CONSTRUCTION
09C005 COMMUNITY FACILITIES CONSTRUCTION, SOUTH BURY TRAINING SCHOOL, SOUTH BURY 4/22/69, INITIAL, $47,793. SRS-DMR
09C010 COMMUNITY FACILITIES CONSTRUCTION, VALLEY AND ADULTS, DERBY 2/69, INITIAL, $85,000. SRS-DMR

OTHER
09D005 ADVANCED PROGRAM FOR PROFUNDALLY AND SEVERELY RETARDED, SOUTHBURY TRAINING SCHOOL, SOUTH BURY 6/25/69-6/24/70, RENEWAL, $99,983. SRS-RSA
09D010 FACILITY IMPROVEMENT GRANT GOODWILL INDUSTRIES OF CENTRAL CONNECTICUT, INC., NEW HAVEN 6/30/69-6/29/70, RENEWAL, $27,569. SRS-RSA
09D015 HABILITATION OF RETARDED RESIDENTS TO COMMUNITY LIFE, SEASIDE REGIONAL CENTER, WATERFORD 11/1/68-11/14/69, INITIAL, $100,000. SRS-DMR
09D020 INDIVIDUAL PROGRAMMING FOR SEVERELY AND PROFUNDALLY RETARDED, MANSFIELD TRAINING SCHOOL, MANSFIELD DEPOT 6/1/69-5/31/70, INITIAL, $100,000. SRS-DMR
09D025 MR INITIAL STAFFING, GREATER HARTFORD ASSOC. FOR RETARDED CHILDREN, INC., HARTFORD 9/1/69-8/31/70, INITIAL, $26,350. SRS-DMR
09D030 MR INITIAL STAFFING, LITCHFIELD CO. ASSOC. FOR RETARDED CHILDREN, INC., TORRINGTON 7/1/69-6/30/70, INITIAL, $12,000. SRS-CB
09D035 MR INITIAL STAFFING, MIDDLETOWN-MERIDEN REGIONAL CENTER, MERIDEN 9/1/68-8/31/70, INITIAL, $22,650. SRS-DMR
09D040 MR INITIAL STAFFING, NEW HAVEN REGIONAL CENTER, NEW HAVEN 9/1/69-8/31/70, INITIAL, $19,383. SRS-DMR
09D045 MR INITIAL STAFFING, SEASIDE REGIONAL CENTER, WATERFORD 7/1/69-6/30/70, INITIAL, $26,616. SRS-DMR
09D050 NEW HAVEN EVALUATION AND COUNSELING PROGRAM FOR DEVELOPMENTAL PROBLEMS IN EARLY CHILDHOOD, NEW HAVEN STATE

DEPARTMENT OF HEALTH, HARTFORD 7/1/68-6/30/69, RENEWAL, $34,361. SRS-CB
09D055 SOCIAL ADJUSTMENT PROGRAM MANSFIELD TRAINING SCHOOL, MANSFIELD DEPOT FY 1969, RENEWAL, $80,333. SRS-P

DELWARE

TRAINING
10B005 DEVELOP KNOWLEDGE TECHNIQUES - METHODOLOGY TO PROFESSIONAL STAFF MR HOSPITAL FOR THE MENTALLY RETARDED, GEORGETOWN 7/1/68-6/30/70, RENEWAL, $24,490. SRS-DMR
10B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, DOVER FY 1969, RENEWAL, $23,350. OE
10B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF DELAWARE, NEWARK FY 1969, RENEWAL, $26,500. OE
10B020 TRAINING SERVICES GRANT OPPORTUNITY CENTER, INC., WILMINGTON 6/25/68-6/24/70, RENEWAL, $132,633. SRS-RSA

CONSTRUCTION
10C005 COMMUNITY FACILITIES CONSTRUCTION, HOSPITAL FOR THE MENTALLY RETARDED, STOCKLEY 6/26/69, INITIAL, $100,000. SRS-DMR

OTHER
10D005 MR INITIAL STAFFING, DELAWARE DEPARTMENT OF MENTAL HEALTH, WILMINGTON 10/1/69-9/30/70, INITIAL, $19,990. SRS-DMR
10D010 PROGRAMMING FOR THE AMBULATORY SEVERELY RETARDED, HOSPITAL FOR THE MENTALLY RETARDED, GEORGETOWN 6/1/69-3/31/70, RENEWAL, $85,965. SRS-DMR

DISTRICT OF COLUMBIA

TRAINING
11B005 CHROMOSOMAL STUDIES OF CHILDREN WITH CONGENITAL ANOMALIES OR MENTAL RETARDATION CHILDREN'S HOSPITAL OF D.C., WASHINGTON, D.C. 7/1/68-6/30/69, RENEWAL, $27,358. SRS-DMR
11B010 FIELD INSTRUCTION FOR SOCIAL WORKERS IN MENTAL RETARDATION HOWARD UNIVERSITY, WASHINGTON, D.C. FY 1969, RENEWAL, $64,226. SRS-P
11B020 MENTAL RETARDATION SENIOR CLINICAL TRAINEESHIP DR. VIVIAN INGLEHART HOWARD UNIVERSITY, WASHINGTON, D.C. FY 1969, INITIAL, $12,636. SRS-P
11B025 METABOLIC AND CYTOGENETIC LABORATORIES HOWARD UNIVERSITY, WASHINGTON, D.C. 7/1/68-6/30/69, RENEWAL, $179,232. SRS-DMR
11B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BOARD OF EDUCATION OF THE WASHINGTON, D.C. FY 1968, RENEWAL, $22,516. OE
11B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN GEORGETOWN UNIVERSITY, WASHINGTON, D.C. FY 1969, RENEWAL, $24,870. OE
11B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN GEORGE WASHINGTON UNIVERSITY, WASHINGTON, D.C. FY 1969, RENEWAL, $40,800. OE
11B045 TRAINING IN CHILD DEVELOPMENT HOWARD UNIVERSITY, WASHINGTON, D.C. 7/1/68-6/30/69, RENEWAL, $177,446. SRS-CB
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

12B005 CLINIC FOR MENTALLY RETARDED CHILDREN
DEPARTMENT OF PUBLIC HEALTH, DISTRICT OF COLUMBIA
7/1/68-6/30/69, RENEWAL, $100,065 SRS-CB

12B010 COMPREHENSIVE DAY PROGRAMS MODERATELY RETARDED ADULTS JEWISH FOUNDATION FOR RETARDED CHILDREN, WASHINGTON
FY 1969, RENEWAL, $91,331. SRS-P

12B015 EVALUATING STATE INSTITUTIONS FOR THE RETARDED AMERICAN ASSOCIATION ON MENTAL DEFICIENCY, WASHINGTON
FY 1969, RENEWAL, $78,971. SRS-P

12B020 FACILITY IMPROVEMENT GRANT DAVID MEMORIAL GOODWILL INDUSTRIES, D.C.
5/1/69-6/30/70, RENEWAL, $20,396, SRS-RSA

12B025 FACILITY IMPROVEMENT GRANT HELP FOR RETARDED CHILDREN, INC., D.C.
4/1/69-3/31/70, RENEWAL, $10,780, SRS-RSA

12B030 INTER AND INTRA DISCIPLINARY TRAINING IN MENTAL RETARDATION GEORGETOWN UNIVERSITY, WASHINGTON
FY 1969, INITIAL, $124,929. SRS-P

12B035 MR INITIAL STAFFING, JEWISH FOUNDATION FOR RETARDED CHILDREN, INC., DISTRICT OF COLUMBIA
9/1/69-8/31/70, INITIAL, $44,963, SRS-DMR

12B040 REVIEW STANDARDS MENTAL RETARDATION RESIDENTIAL FACILITIES AMERICAN ASSOCIATION MENTAL DEFICIENCY, WASHINGTON
FY 1969, INITIAL, $65,685. SRS-P

12B045 STANDARDS FOR COMMUNITY SERVICES MENTALLY RETARDED AMERICAN ASSOCIATION ON MENTAL DEFICIENCY, WASHINGTON
FY 1969, INITIAL, $42,447. SRS-P

12B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF MIAMI, CORAL GABLES
FY 1969, RENEWAL, $87,300

12B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF SOUTH FLORIDA, TAMPA
FY 1969, RENEWAL, $60,700. OE

12B060 SERVICE LABORATORY FOR BIOCHEMICAL GENETICS UNIVERSITY OF MIAMI, CORAL GABLES
7/1/68-6/30/69, RENEWAL, $37,083, SRS-CB

12B065 STRUCTURED PROGRAM FOR DIRECT CARE PERSONNEL SUNLAND TRAINING CENTER AT FORT MYERS, FORT MYERS
7/1/69-6/30/70, RENEWAL, $21,895, SRS-DMR

12B070 TRAINING SERVICES GRANT PALM BEACH HABILITATION CENTER, LAKE WORTH
6/25/69-6/24/70, RENEWAL, $85,547, SRS-DMR

12B080 TRAINING ALL ATTENDANT AND SUPERVISORY PERSONNEL MR SUNLAND HOSPITAL AT ORLANDO, ORLANDO
7/1/69-6/30/70, RENEWAL, $15,533, SRS-DMR

12B085 TRAINING UNIT IN MENTAL RETARDATION IN WEST PALM BEACH DISTRICT OFFICE OF STATE DEPARTMENT OF PUBLIC WELFARE FLORIDA STATE UNIVERSITY SCHOOL OF SOCIAL WELFARE, TALLAHASSEE
7/1/68-6/30/69, RENEWAL, $17,987. SRS-CB

CONSTRUCTION

12C005 COMMUNITY FACILITIES CONSTRUCTION, MARIAN CENTER RESIDENTIAL FACILITY, OPA LOCKA
6/26/69, INITIAL, $87,214, SRS-DMR

12C010 COMMUNITY FACILITIES CONSTRUCTION, REGIONAL COMMUNITY CENTER, JACKSONVILLE
6/12/69, INITIAL, $250,000. SRS-DMR

FLORIDA

TRAINING

12C005 A TRAINING PROGRAM IN THE MANAGEMENT OF PROGRAMS FOR THE MENTALLY RETARDED FLORIDA STATE UNIVERSITY, TALLAHASSEE
FY 1969, RENEWAL, $90,235. SRS-P

12C010 CHILD DEVELOPMENT CENTER AND TRAINING FACILITY UNIVERSITY OF MIAMI, CORAL GABLES
1/1/68-12/31/68, RENEWAL, $608,242. SRS-CB

12C015 COMPREHENSIVE SOCIAL WORK TRAINING IN MENTAL RETARDATION FLORIDA STATE UNIVERSITY, TALLAHASSEE
FY 1969, RENEWAL, $67,833. SRS-P

12C020 FIELD INSTRUCTION OF REHABILITATION COUNSELING STUDENTS UNIVERSITY OF FLORIDA, GAINESVILLE
9/1/68-8/31/69, RENEWAL, $32,446. SRS-RSA

12C025 INDEPTH TRAINING FOR SUPERVISORY PERSONNEL AND COTTAGE PARENTS MR SUNLAND TRAINING CENTER AT MARIANNA, MARIANNA
7/1/69-6/30/70, RENEWAL, $23,500, SRS-DMR

12C030 MENTAL RETARDATION; MRS. JOY ROHN FLORIDA STATE UNIVERSITY, TALLAHASSEE
FY 1969, INITIAL, $5,468, SRS-P

12C035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN FLORIDA ATLANTIC UNIVERSITY, BOCA RATON
FY 1969, RENEWAL, $11,200. OE

12C040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN FLORIDA STATE UNIVERSITY, TALLAHASSEE
FY 1969, RENEWAL, $40,100. OE

12C045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, TALLAHASSEE
FY 1969, RENEWAL, $30,400. OE

12C050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF FLORIDA, GAINESVILLE
FY 1969, RENEWAL, $80,400. OE

12C055 DEVELOPMENTAL EVALUATION CLINIC, DALE COUNTY STATE BOARD OF HEALTH, JACKSONVILLE
7/1/68-6/30/69, RENEWAL, $171,255. SRS-CB

12C060 INTENSIVE PROGRAMMING FOR OPTIMAL RESIDENT DEVELOPMENT, SUNLAND TRAINING CENTER AT MIAMI, OPA LOCKA
5/1/69-4/30/70, INITIAL, $96,654, SRS-DMR

12C065 MIAMI ADULT CENTER FOR THE RETARDED MIAMI
2/1/69-1/31/70, INITIAL, $44,590. SRS RSA

12C070 SR Initial Staffing, Broward Co. Assoc. For Retarded Children, Fort Lauderdale
7/1/68-6/30/70, INITIAL, $65,511, SRS-DMR

12C075 SR Initial Staffing, Bureau of Catholic Charities, Inc., Jacksonville
9/1/69-8/31/70, INITIAL, $2,775, SRS-DMR

12C080 MR INITIAL STAFFING, DIocese of ST. PETERSBURG, ST. PETERSBURG
9/1/69-8/31/70, INITIAL, $4,650, SRS-DMR

12C085 MR INITIAL STAFFING, CATHOLIC SOCIAL SERVICES OF DIocese of ST. PETERSBURG, ST. PETERSBURG
9/1/69-8/31/70, INITIAL, $9,525, SRS-DMR

12C090 MR Initial Staffing, Citrus Co. Assoc. For Retarded Children, INVERNESS
7/1/69-6/30/70, INITIAL, $20,213, SRS-DMR

12C095 MR Initial Staffing, Escambia Co. Assoc. For Retarded Children, PENSCOLA, PENSCOLA
7/1/68-6/30/70, INITIAL, $1,850, SRS-DMR

12C100 MR Initial Staffing, Hillsborough Association For Retarded Children, TAMPA
9/1/68-8/31/70, INITIAL, $28,448, SRS-DMR

12C105 MR Initial Staffing, Okeechobee Rehabilitation Facility, Inc., OKEECHOBEE
7/1/69-6/30/70, INITIAL, $19,160, SRS-DMR

12C110 MR Initial Staffing, Marion County Association For Retarded Children, OCALA
7/1/69-6/30/70, INITIAL, $13,768, SRS-DMR

12C115 MR INITIAL STAFFING, MORNING STAR SCHOOL, ORLANDO
7/1/69-8/31/70, INITIAL, $8,325, SRS-DMR

OTHER
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

OTHER

13D005 ATLANTA ADULT ACTIVITY CENTER ASSOCIATION FOR RETARDED CHILDREN, ATLANTA FY 1969, RENEWAL, $53,584. SRS-P

13D010 COMPREHENSIVE EVALUATION CLINIC FOR MENTALLY RETARDED CHILDREN, DEXALB DISTRICT 016, STATE DEPT OF PUBLIC HEALTH, ATLANTA 7/1/68-6/30/69, RENEWAL, $90,950. SRS-CB

13D015 COMPREHENSIVE EVALUATION CLINIC FOR MENTALLY RETARDED CHILDREN, CATHAM STATE DEPARTMENT OF PUBLIC HEALTH, ATLANTA 7/1/68-6/30/69, RENEWAL, $86,788. SRS-CB

13D020 COMPREHENSIVE EVALUATION FOR MENTALLY RETARDED CHILDREN, MUSCOCGE STATE DEPARTMENT OF PUBLIC HEALTH, ATLANTA 7/1/68-6/30/69, RENEWAL, $33,321. SRS-CB

13D025 MR INITIAL STAFFING, ATLANTA ASSOCIATION FOR RETARDED CHILDREN, ATLANTA 7/1/69-6/30/70, INITIAL, $12,206. SRS-DMR

13D030 MR INITIAL STAFFING, DEKALB-ROCKDALE HEALTH DISTRICT, DECATUR 9/1/69-8/31/70, INITIAL, $98,199. SRS-DMR

13D035 MR INITIAL STAFFING, GWINNETT CO. CHAPTER FOR RETARDED CHILDREN, LAWRENCEVILLE 11/170-12/31/70, INITIAL, $47,394. SRS-DMR

13D040 MULTIDISCIPLINARY APPROACH TO THE DISTURBED RETARDEO, GEORGIA DEPARTMENT OF PUBLIC HEALTH, ATLANTA 6/1/69-5/31/70, INITIAL, $99,659. SRS-DMR

13D045 PROJECT RESCUE ATLANTA ASSOCIATION FOR RETARDED CHILDREN, ATLANTA FY 1969, INITIAL, $55,665. SRS-P

GUAM

TRAINING

14B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, DEPARTMENT OF EDUCATION, AGANA FY 1969, RENEWAL, $49,530. OE

HAWAII

TRAINING

15B005 FIELD WORK INSTRUCTION IN MEDICAL SOCIAL WORK UNIVERSITY OF HAWAII, HONOLULU FY 1969, RENEWAL, $37,226. SRS-P

15B010 FIELD WORK INSTRUCTION IN MEDICAL SOCIAL WORK UNIVERSITY OF HAWAII, HONOLULU 5/1/69-4/30/70, RENEWAL, $21,770. SRS-RSA

15B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, HONOLULU FY 1969, RENEWAL, $10,800. OE

15B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF HAWAII, HONOLULU FY 1969, RENEWAL, $15,900. OE

CONSTRUCTION

15C005 COMMUNITY FACILITIES CONSTRUCTION, BRANDLEY CENTER, HANOKAA 10/68, INITIAL, $81,052. SRS-DMR

15C010 COMMUNITY FACILITIES CONSTRUCTION, J. WALTER CAMERON CENTER, WAILUKU 4/15/69, INITIAL, $35,600. SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

OTHER

15D005 DAY ACTIVITY PROGRAM BIG ISLAND ASSOCIATION FOR RETARDED CHILDREN, HILO FY 1969, INITIAL, $25,765, SRS-P
15D010 EVALUATION CLINICS FOR MENTALLY RETARDED CHILDREN, HONOLULU STATE DEPARTMENT OF HEALTH, HONOLULU 7/1/68-6/30/69, RENEWAL, $139,998, SRS-CB
15D015 HABILITATION OF SEVERELY RETARDED HYPERACTIVE MALES, WAIMANO TRAINING SCHOOL AND HOSPITAL, PEARL CITY 6/1/69-5/31/70, INITIAL, $50,000, SRS-DMR
15D020 INTENSIVE PROGRAM FOR COMMUNITY PLACEMENT, WAIMANO TRAINING SCHOOL AND HOSPITAL, PEARL CITY 5/1/69-4/30/70, RENEWAL, $46,046, SRS-DMR
15D025 MR INITIAL STAFFING, HAWAII ASSOC. TO HELP RETARDED CHILDREN, HONOLULU 7/1/69-6/30/70, INITIAL, $24,957, SRS-DMR
15D030 MR INITIAL STAFFING, KONA ASSOCIATION FOR RETARDED CHILDREN, KEALAKEKAU 1/1/70-12/31/70, INITIAL, $4,212, SRS-DMR
15D035 MR INITIAL STAFFING, MAUI ASSOC. TO HELP RETARDED CHILDREN, INC., KAHAULUI 9/1/69-8/31/70, INITIAL, $12,777, SRS-DMR
15D040 MR INITIAL STAFFING, MAUI REHABILITATION CENTER, KAHAULUI 9/1/69-8/31/70, INITIAL, $3,683, SRS-DMR
15D045 STRENGTHEN AND EXTEND STAFF TRAINING PROGRAM 'MR0 WAIMANO TRAINING SCHOOL AND HOSPITAL, PEARL CITY 7/1/69-6/30/70, RENEWAL, $24,570, SRS-DMR

IDAHO

TRAINING

16B005 PLANNING A COMMUNITY-UNIVERSITY STATE-MANPOWER TRAINING PROGRAM FOR HEALTH ORIENTED PERSONNEL TO WORK WITH THE MENTALLY RETARDED FOR IDAHO STATE UNIVERSITY, POCATELLO FY 1969, RENEWAL, $34,556, SRS-P
16B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN IDAHO STATE UNIVERSITY, POCATELLO FY 1969, RENEWAL, $11,800, OE
16B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE BOARD OF EDUCATION, BOISE FY 1969, RENEWAL, $25,750, OE
16B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF IDAHO, MOSCOW FY 1969, RENEWAL, $23,600, OE
16B025 TRAINING FOR ATTENDANT, NURSE, AND AIDE PERSONNEL, MR IDAHO STATE SCHOOL AND HOSPITAL, NAMPA 7/1/69-6/30/70, INITIAL, $25,000, SRS-DMR

CONSTRUCTION

16C005 COMMUNITY FACILITIES CONSTRUCTION, MENTAL RETARDATION CHILD DEVELOPMENT CENTER, POCATELLO 6/16/69, INITIAL, $100,000, SRS-DMR
16D005 COMMUNITY MENTAL RETARDATION PROGRAM AND GENETICS LABORATORY, BOISE STATE DEPARTMENT OF HEALTH, BOISE 7/1/68-6/30/69, RENEWAL, $97,900, SRS-CB

OTHER

16D010 HOME LIVING TRAINING PROGRAM GOAL-HABILITATION, IDAHO STATE SCHOOL AND HOSPITAL, NAMPA 2/1/69-1/31/70, INITIAL, $100,000, SRS-DMR
16D015 MR INITIAL STAFFING, IDAHO DEPARTMENT OF HEALTH, BOISE 9/1/69-8/31/70, INITIAL, $22,875, SRS-DMR

ILLINOIS

TRAINING

17B005 EXPAND CHILD CARE BASIC TRAINING PROGRAM MR WARREN G. MURRAY CHILDRENS CENTER, CENTRALIA 7/1/69-6/30/70, RENEWAL, $4,884, SRS-DMR
17B010 FACILITY IMPROVEMENT GRANT CHICAGO SCHOOL FOR RETARDED CHILDREN, CHICAGO 3/1/69-2/28/70, RENEWAL, $15,012, SRS-RSA
17B015 FIELD INSTRUCTION IN RECREATION FOR RETARDED SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE 4/15/69-6/30/69, RENEWAL, $10,876, SRS-RSA
17B020 FIELD INSTRUCTION OF REHABILITATION COUNSELING STUDENTS SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE 9/1/68-8/31/69, RENEWAL, $32,689, SRS-RSA
17B025 MENTAL HEALTH CAREER DEVELOPMENT PROGRAM MR A.L. BOWEN CHILDRENS CENTER, HARRISBURG 7/1/69-6/30/70, INITIAL, $24,999, SRS-DMR
17B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CHICAGO STATE COLLEGE, CHICAGO FY 1969, RENEWAL, $17,400, OE
17B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN ILLINOIS STATE UNIVERSITY, NORMAL FY 1969, RENEWAL, $82,500, OE
17B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NORTHERN ILLINOIS UNIVERSITY, DEKALB FY 1969, RENEWAL, $35,800, OE
17B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION, SPRINGFIELD FY 1969, RENEWAL, $48,000, OE
17B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE FY 1969, RENEWAL, $35,800, OE
17B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SOUTHERN ILLINOIS UNIVERSITY, EDWARDSVILLE 6/1/68-8/31/70, INITIAL, $11,800, OE
17B060 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF ILLINOIS, URBANA FY 1969, RENEWAL, $89,000, OE
17B065 TRAINEESHIP GRANT IN MENTAL RETARDATION FOR STEPHEN CASEBOLT ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO FY 1969, INITIAL, $6,400, SRS-P
17B070 TRAINING FOR AIDES IN VARIOUS PROGRAM SKILLS MR DIXON STATE SCHOOL FOR THE RETARDED, DIXON 7/1/69-6/30/70, RENEWAL, $22,170, SRS-DMR

CONSTRUCTION

17C005 COMMUNITY FACILITIES CONSTRUCTION, OPPORTUNITY FOR THE MENTALLY HANDICAPPED, Moline 12/68, INITIAL, $373,572, SRS-DMR
OTHER

17D005 CHILD DEVELOPMENT CLINIC, CHILDREN'S MEMORIAL HOSPITAL, CHICAGO STATE DEPARTMENT OF PUBLIC HEALTH, SPRINGFIELD
7/1/68-6/30/69, RENEWAL, $50,000, SRS-CB

17D010 COTTAGE PROGRAMMING FOR THE PROFOUNDLY AND SEVERELY RETARDED, DIXON STATE SCHOOL, DIXON
6/1/69-5/31/70, RENEWAL, $99,896, SRS-DMR

17D015 EVALUATION AND THERAPEUTIC CENTER FOR MULTIPLE HANDICAPPED CHILDREN, MICHAEL REESE HOSPITAL, CHICAGO UNIVERSITY OF ILLINOIS, CHICAGO
7/1/68-6/30/69, RENEWAL, $90,000, SRS-CB

17D020 FACILITY IMPROVEMENT GRANT CHICAGO ASSOCIATION FOR RETARDED CHILDREN, CHICAGO
4/1/69-3/31/70, RENEWAL, $60,322, SRS-RSA

17D025 INTENSIVE TRAINING FOR SEVERELY RETARDED CHILDREN, WARREN G. MURRAY CHILDREN'S CENTER, CENTRALIA
1/1/69-12/31/70, RENEWAL, $99,964, SRS-DMR

17D030 INTENSIVE TRAINING FOR SEVERELY RETARDED CHILDREN, WARREN G. MURRAY CHILDREN'S CENTER, CENTRALIA
1/1/68-12/31/68, SUPPLEMENT, $13,735, SRS-DMR

17D035 MR INITIAL STAFFING, CHAMPAGNE CO. ASSOC. FOR THE MENTALLY RETARDED, CHAMPAIGN
9/1/69-8/31/70, INITIAL, $5,663, SRS-DMR

17D040 MR INITIAL STAFFING, CHICAGO BOARD OF HEALTH, CHICAGO
7/1/69-6/30/70, INITIAL, $34,200, SRS-DMR

17D045 MR INITIAL STAFFING, CLEARBOOK CENTER FOR THE RETARDED, ROLLING MEADOWS
7/1/69-6/30/70, INITIAL, $70,275, SRS-DMR

17D050 MR INITIAL STAFFING, COLES COUNTY ASSOCIATION FOR THE RETARDED, MATTOON
9/1/69-8/31/70, INITIAL, $14,400, SRS-DMR

17D055 MR INITIAL STAFFING, COMMUNITY MENTAL HEALTH BOARD OF MACON COUNTY, DECATUR
7/1/69-6/30/70, INITIAL, $31,725, SRS-DMR

17D060 MR INITIAL STAFFING, IROQUOIS ASSOCIATION FOR RETARDED CHILDREN, WATSEKA
9/1/69-8/31/70, INITIAL, $8,625, SRS-DMR

17D065 MR INITIAL STAFFING, JACKSON CO. WORK ACTIVITY CENTER FOR THE MR, MURPHYSBORO
7/1/69-6/30/70, INITIAL, $10,110, SRS-DMR

17D070 MR INITIAL STAFFING, KANKAKEE AREA PROG. FOR MENTALLY AND PHYSICALLY HANDICAPPED, KANKAKEE
7/1/69-6/30/70, INITIAL, $16,875, SRS-DMR

17D075 MR INITIAL STAFFING, LUTHERAN WELFARE SERVICES OF ILLINOIS, CHICAGO
7/1/69-6/30/70, INITIAL, $40,320, SRS-DMR

17D080 MR INITIAL STAFFING, MICHAEL REESE HOSPITAL, CHICAGO
7/1/69-6/30/70, INITIAL, $33,225, SRS-DMR

17D085 MR INITIAL STAFFING, PEORIA ASSOCIATION FOR RETARDED CHILDREN, INC., PEORIA
7/1/69-6/30/70, INITIAL, $50,550, SRS-DMR

17D090 MR INITIAL STAFFING, PEORIA PROGRAM SERVICES CHAPTER, UCP OF NORTHWESTERN ILLINOIS, PEORIA
7/1/69-6/30/70, INITIAL, $19,600, SRS-DMR

17D095 MR INITIAL STAFFING, YOUNG MEN'S JEWISH COUNCIL, CHICAGO
1/1/70-12/31/70, INITIAL, $29,925, SRS-DMR

17D100 MR INITIAL STAFFING, WARREN ACHIEVEMENT SCHOOL FOR HANDICAPPED CHILDREN, MONMOUTH
9/1/68-8/31/70, INITIAL, $21,525, SRS-DMR

17D105 NEW PATHWAYS FOR SERVICE TO HOMEBOUND MENTALLY RETARDED CHILDREN READ-CHICAGO STATE-MENTAL HEALTH CENTER, CHICAGO
FY 1969, INITIAL, $89,000, SRS-P

17D110 PREVENTIVE INTERVENTION FOR RETARDED CHILDREN, ILLINOIS STATE PEDIATRIC INSTITUTE, CHICAGO
3/1/69-2/28/70, RENEWAL, $98,860, SRS-DMR

17D115 STIMULATION BY INTENSIVE PHYSICAL AND ACTIVITY THERAPY, WILLIAM W. FOX CHILDREN'S CENTER, DWIGHT
6/1/69-5/31/70, RENEWAL, $65,920, SRS-DMR

INDIANA

TRAINING

18B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BALL STATE UNIVERSITY, MUNCIE
FY 1969, RENEWAL, $30,800, OE

18B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN INDIANA STATE UNIVERSITY, TERRE HAUTE
FY 1969, RENEWAL, $36,700, OE

18B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN INDIANA UNIVERSITY, BLOOMINGTON
FY 1969, RENEWAL, $143,906, OE

18B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN INDIANA UNIVERSITY, BLOOMINGTON
FY 1969, RENEWAL, $46,400, OE

18B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN ST.MARY'S COLLEGE, NOTRE DAME
FY 1969, RENEWAL, $14,000, OE

18B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, INDIANAPOLIS
FY 1969, RENEWAL, $46,517, OE

18B035 TRAINING IN BASIC AND ADVANCED PSYCHIATRIC NURSING FOR AIDES MR MUSCATATUCK STATE HOSPITAL AND TRAINING CENTER, BUTLERVILLE
7/1/69-6/30/70, RENEWAL, $19,889, SRS-DMR

OTHER

18D005 FAMILY CENTER MENTAL RETARDATION NURSING MUSCATATUCK STATE HOSPITAL TRAINING CENTER, BUTLERVILLE
FY 1969, RENEWAL, $31,159, SRS-P

18D010 FUNCTIONAL TRAINING PROGRAM, FORT WAYNE STATE HOSPITAL AND TRAINING CENTER, FORT WAYNE
9/1/68-8/31/69, RENEWAL, $85,516, SRS-DMR

18D015 LAPORTE COUNTY SHELTERED WORKSHOP MICHIGAN CITY
8/1/68-7/31/69, INITIAL, $4,500, SRS-RSA

18D020 MR INITIAL STAFFING, CO. COUNCIL FOR THE RETARDED OF KOSCIUSKO CO., INC., WARSAW
12/1/69-11/30/70, INITIAL, $7,439, SRS-DMR

18D025 MR INITIAL STAFFING, PARENTS COUNCIL FOR RETARDED OF ST. JOSEPH CO., INC., SOUTH BEND
9/1/68-8/31/70, INITIAL, $18,075, SRS-DMR

18D030 MR INITIAL STAFFING, LAKE CO. ASSOCIATION FOR RETARDED CHILDREN, INC., GARY
1/1/70-12/31/70, INITIAL, $87,825, SRS-DMR

18D035 MR INITIAL STAFFING, MARION CO. ASSOC. FOR RETARDED CHILDREN, INC., INDIANAPOLIS
1/1/70-12/31/70, INITIAL, $42,300, SRS-DMR

18D040 MR INITIAL STAFFING, MARSHALL STARKE DEVELOPMENT CENTER, PLUMTOWN
9/1/68-8/31/70, INITIAL, $12,375, SRS-DMR

18D045 MR INITIAL STAFFING, PARENTS COUNCIL FOR HAND. AND RET. CHILD. OF LAPORTE CO., MICH. CITY
7/1/68-6/30/70, INITIAL, $4,806, SRS-DMR

18D050 MR INITIAL STAFFING, WAYNE CO. COUNCIL FOR RETARDED CHILDREN, INC., RICHMOND
9/1/68-8/31/70, INITIAL, $28,575, SRS-DMR

18D055 NEW HORIZONS REHABILITATION AURORA
2/1/69-1/31/70, INITIAL, $4,500, SRS-RSA

18D060 PARKE COUNTY ASSOCIATION FOR PARENTS AND FRIENDS OF RETARDED CHILDREN ROCKVILLE
3/1/69-2/28/70, INITIAL, $4,500, SRS-RSA

18D065 SELF-CARE DEVELOPMENT AND VOCATIONAL HABILITATION NEW CASTLE STATE HOSPITAL, NEW CASTLE
9/1/68-8/31/69, RENEWAL, $30,156, SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

IOWA

TRAINING

19D005  CLINICAL TRAINING FOR SPEECH AND HEARING SERVICES UNIVERSITY OF IOWA, IOWA CITY
7/1/68-6/30/69, RENEWAL, $25,094. SRS-DMR

19D010  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN DRAYKE UNIVERSITY, DES MOINES
FY 1969, RENEWAL, $17,700. OE

19D015  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, DES MOINES
FY 1969, RENEWAL, $25,500. OE

19D020  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF IOWA, IOWA CITY
FY 1969, RENEWAL, $85,200. OE

19D025  TRAINING FOR ATTENDANT LEVEL PERSONNEL MR GLENWOOD STATE SCHOOL, GLENWOOD
7/1/69-6/30/70, RENEWAL, $24,010. SRS-DMR

CONSTRUCTION

19C005  COMMUNITY FACILITIES CONSTRUCTION, PLEASANT HILL SCHOOL, MARSHALL TOWN
11/13/68, INITIAL, $196,000. SRS-DMR

OTHER

19D005  A DIAGNOSTIC-EVALUATIVE BRIEF CARE PROGRAM, WOODWARD STATE HOSPITAL AND SCHOOL, WOODWARD
6/1/65-8/31/69, RENEWAL, $50, SRS-DMR

19D010  CLINICAL RESEARCH IN MENTAL RETARDATION, GENETICS STUDIES UNIVERSITY OF IOWA, IOWA CITY
7/1/68-6/30/69, RENEWAL, $57,026. SRS-DMR

19D015  CLINICAL RESEARCH IN SPEECH AND LANGUAGE SKILLS OF RETARDED CHILDREN UNIVERSITY OF IOWA, IOWA CITY
7/1/68-6/30/69, RENEWAL, $43,146. SRS-DMR

19D020  CLINICAL RESEARCH, STUDY AND CARE PROGRAM FOR PATIENTS WITH PHENYLKETONURIA UNIVERSITY OF IOWA, IOWA CITY
7/1/68-6/30/69, RENEWAL, $9,003. SRS-DMR

19D025  FACILITY IMPROVEMENT GRANT SPECIALIZED SERVICES, INC., ALTON
6/15/69-6/14/70, RENEWAL, $28,000. SRS-RSA

19D030  FIELD CLINIC SERVICES FOR MENTALLY RETARDED PATIENTS UNIVERSITY OF IOWA, IOWA CITY
7/1/69-6/30/70, RENEWAL, $110,285. SRS-DMR

19D035  FOLLOW-UP CARE OF HIGH RISK PATIENTS FOR IDENTIFICATION AND PREVENTION OF MENTAL RETARDATION UNIVERSITY OF IOWA, IOWA CITY
7/1/69-6/30/69, RENEWAL, $3,688. SRS-DMR

19D040  INTERAGENCY CASE INFORMATION SERVICE DEPARTMENT OF SOCIAL SERVICES, DES MOINES
FY 1969, RENEWAL, $77,122. SRS-P

19D045  MR INITIAL STAFFING, DES MOINES CO. ASSOC. FOR RETARDED CHILDREN, INC., BURLINGTON
1/1/70-12/31/70, INITIAL, $45,375. SRS-DMR

19D050  MR INITIAL STAFFING, EXCEPTIONAL PERSONS, INC., WATERLOO
7/1/69-6/30/70, INITIAL, $56,898. SRS-DMR

19D055  TRAINER-EVALUATORS FOR LOW FUNCTIONAL RETARDEATES, GLENWOOD STATE HOSPITAL AND SCHOOL, GLENWOOD
6/1/69-5/31/70, RENEWAL, $51,503. SRS-DMR

19D060  MR INITIAL STAFFING, MARSHALL COUNTY BOARD OF EDUCATION, MARSHALLTOWN
7/1/69-6/30/70, INITIAL, $12,000. SRS-DMR

19D065  MR INITIAL STAFFING, POLK CO. ASSOC. FOR RETARDED CHILDREN, DES MOINES
7/1/69-6/30/70, INITIAL, $15,000. SRS-DMR

KANSAS

TRAINING

20B005  ACRES OF LAND AT FORMER WINTER GENERAL HOSPITAL, TOPEKA, KANSAS-CONVYED TO STATE BOARD OF SOCIAL WELFARE RETRANSFERRED AS SITE OF SCHOOL FOR MENTALLY RETARDED TOPEKA ASSN FOR RETARDED CHILDREN
6/29/64 INITIAL, $3,000. OSPU

20B010  CHILDREN’S REHABILITATION UNIT UNIVERSITY OF KANSAS, KANSAS CITY
7/1/68-6/30/69, RENEWAL, $254,100. SRS-DMR

20B015  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN FORT HAYS KANSAS STATE COLLEGE, HAYS
FY 1969, RENEWAL, $126,100. OE

20B020  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN KANSAS STATE TEACHER’S COLLEGE, EMPORIA
FY 1969, RENEWAL, $58,200. OE

20B025  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, TOPEKA
FY 1969, RENEWAL, $211,700. OE

20B030  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF MENTALLY RETARDED UNIVERSITY OF KANSAS, LAWRENCE
FY 1969, RENEWAL, $67,200. OE

20B035  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN WICHITA STATE UNIVERSITY, WICHITA
6/1/69-8/31/70, INITIAL, $17,000. OE

20B040  TRAINING CARE OF ADULT RETARDATES MR WINFIELD STATE HOSPITAL AND TRAINING CENTER, WINFIELD
7/1/69-6/30/70, RENEWAL, $16,906, SRS-DMR

20B045  TRAINING CHARGE AIDES, REGISTERED NURSES AND PSYCHIATRIC AIDES MR KANSAS NEUROLOGICAL INSTITUTE, TOPEKA
1/1/69-6/30/70, RENEWAL, $153,185. SRS-DMR

20B050  TRAINING SERVICES GRANT VOCATIONAL REHABILITATION UNIT, TOPEKA
6/6/69-6/4/70, RENEWAL, $72,735, SRS-RSA

CONSTRUCTION

20C005  COMMUNITY FACILITIES CONSTRUCTION, PARSONS STATE HOSPITAL AND TRAINING CENTER, PARSONS
5/28/69, INITIAL, $106,780. SRS-DMR

20C010  UNIVERSITY-AFFILIATED FACILITIES CONSTRUCTION, KANSAS CLINICAL CENTER FOR MENTAL RETARDATION, LAWRENCE
4/11/69, INITIAL, $2,067,000. SRS-DMR

20C015  UNIVERSITY-AFFILIATED FACILITIES CONSTRUCTION, KANSAS CLINICAL CENTER FOR MENTAL RETARDATION, TOPEKA
4/16/69, INITIAL, $662,400. SRS-DMR

OTHER

20D005  A COMMUNITY ACTIVITY PROGRAM FOR MENTALLY RETARDED ADULTS COUNCIL FOR SPECIAL SERVICES, INC., EL DORADO
FY 1969, INITIAL, $24,924. SRS-P

20D010  COMMUNITY TRANSITIONAL ADJUSTMENT PROGRAM FOR MR, PARSONS STATE HOSPITAL AND TRAINING CENTER, PARSON
2/1/69-3/31/70, RENEWAL, $99,400, SRS-DMR

20D015  CRISIS INTERVENTION PROGRAM FOR RETARDED, KANSAS NEUROLOGICAL INSTITUTE, TOPEKA
6/1/69-5/31/70, RENEWAL, $31,737, SRS-DMR

20D020  DEVELOPMENT OF TEACHING MATERIAL IN MENTAL RETARDATION PARSONS STATE HOSPITAL AND TRAINING CENTER, PARSONS
5/1/69-4/30/70, RENEWAL, $60,000. SRS-RSA

20D025  IMPROVED PHYSICAL THERAPY SERVICE PROGRAM, KANSAS NEUROLOGICAL INSTITUTE, TOPEKA
6/1/69-5/31/70, RENEWAL, $9,575, SRS-DMR

20D030  INTENSIVE TRAINING OF INSTITUTIONALIZED MENTALLY RETARDED GIRLS UNIVERSITY OF
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

KANSAS BUREAU OF CHILD RESEARCH, LAWRENCE
FY 1969, RENEWAL, $120,445. SRS-P
21D035 INTENSIVE TRAINING UNIT, M/R MULTI-HANDICAPPED
W/SH AND TC, WINFIELD STATE HOSPITAL AND
TRAINING CENTER, WINFIELD
9/1/68-8/31/69, RENEWAL, $64,560, SRS-DMR

21D040 MR INITIAL STAFFING, LAKEMARY CENTER, INC.,
PAOLA
9/1/69-8/31/70, INITIAL, $100,725, SRS-DMR
21D045 MR INITIAL STAFFING, WICHITA-SEDGWICK CO. ASSOC.
FOR RETARDED CHILDREN, INC., WICHITA
7/1/69-6/30/70, INITIAL, $53,775, SRS-DMR

KENTUCKY

TRAINING

21B005 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS
UNIVERSITY OF LOUISVILLE, LOUISVILLE
6/1/69-5/31/70, RENEWAL, $26,390, SRS-RSA
21B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN BRESCIA
COLLEGE, OWENSBORO
FY 1969, RENEWAL, $11,300.00
21B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN MURRAY
STATE UNIVERSITY, MURRAY
6/1/69-8/31/70, INITIAL, $11,200.00
21B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN FRANKFORT
STATE UNIVERSITY, FRANKFORT
FY 1969, RENEWAL, $51,600.00
21B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF KENTUCKY, LEXINGTON
FY 1969, RENEWAL, 65,700.00
21B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF LOUISVILLE, LOUISVILLE
FY 1969, RENEWAL, $31,400.00
21B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN URSULINE
COLLEGE, LOUISVILLE
FY 1969, RENEWAL, $14,000.00
21B040 TRAINING FOR SUPERVISORY STAFF AND ATTENDANT
PERSONNEL MR FRANKFORT STATE HOSPITAL AND
SCHOOL, FRANKFORT
7/1/69-6/30/70, INITIAL, $12,127, SRS-DMR
21B045 TRAINING SERVICES GRANT OPPORTUNITY WORKSHOP
OF LEXINGTON, INC., LEXINGTON
6/15/69-6/14/70, RENEWAL, $54,568, SRS-RSA

CONSTRUCTION

21C005 CHILD EVALUATION CENTER, UNIVERSITY OF
LOUISVILLE STATE DEPARTMENT OF HEALTH,
FRANKFORT
7/1/68-6/30/69, RENEWAL, $197,500.00, SRS-CB

OTHER

21D005 DAY CARE ACTIVITY PROGRAM FOR RETARDED
ADULTS BLUE GRASS ASSOCIATION FOR RETARDED
CHILDREN, LEXINGTON
FY 1969, RENEWAL, $61,911, SRS-P
21D010 FACILITY IMPROVEMENT GRANT COUNCIL FOR
RETIRED CHILDREN OF JEFFERSON COUNTY,
LOUISVILLE
6/1/69-5/31/70, RENEWAL, $12,940, SRS-RSA
21D015 MR INITIAL STAFFING, BLUE GRASS ASSOCIATION FOR
MENTAL RETARDATION, INC., LEXINGTON
9/1/69-8/31/70, INITIAL, $60,900, SRS-DMR
21D020 MR INITIAL STAFFING, CENTRAL KENTUCKY MH-MR
BOARD, INC., LEXINGTON
9/1/69-8/31/70, INITIAL, $120,896, SRS-DMR
21D025 MR INITIAL STAFFING, J. U. KEVL MEMORIAL
FOUNDATION, MAYFIELD
7/1/69-6/30/70, INITIAL, $34,575, SRS-DMR
21D030 MR INITIAL STAFFING, KENTON CAMPBELL ASSOC. FOR
THE MENTALLY RETARDED, INC., NEWPORT

FY 1969-8/31/70, INITIAL, $27,563, SRS-DMR

21D035 MR INITIAL STAFFING, MENTAL HEALTH-MENTAL
RETARDATION BOARD, INC., REGION V, BOWLING
GREEN
8/1/68-7/31/70, INITIAL, $10,181, SRS-DMR
21D040 PROGRAM PLANNING IN HOME ECONOMICS FOR
EDUCABLES, OUTWOOD HOSPITAL AND SCHOOL,
DAWSON SPRINGS
12/1/68-11/30/69, RENEWAL, $31,261, SRS-DMR

LOUISIANA

TRAINING

22B005 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS
LOUISIANA STATE UNIVERSITY, BATON ROUGE
9/1/68-8/31/69, RENEWAL, $21,014, SRS-RSA
22B010 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS
TULANE UNIVERSITY, NEW ORLEANS
9/1/68-8/31/69, RENEWAL, $29,375, SRS-RSA
22B015 INSERVICE TRAINING PROGRAM FOR COTTAGE
PARENTS MR RUSTON STATE SCHOOL, RUSTON
7/1/69-6/30/70, RENEWAL, $27,947, SRS-DMR
22B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
GRAMBLING COLLEGE, GRAMBLING
FY 1969, RENEWAL, $17,700, OE
22B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
LOUISIANA POLYTECHNIC INSTITUTE, RUSTON
6/1/69-8/31/70, INITIAL, $18,000, OE
22B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
LOUISIANA STATE UNIVERSITY AND A. AND M.
COLLEGE, BATON ROUGE
FY 1969, RENEWAL, $37,100, OE
22B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
LOUISIANA STATE UNIVERSITY, NEW ORLEANS
FY 1969, RENEWAL, $37,100, OE
22B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
NORTHWESTERN STATE COLLEGE, NATCHITOCHES
FY 1969, RENEWAL, $8,700, OE
22B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
SOUTHERN UNIVERSITY, BATON ROUGE
FY 1969, RENEWAL, $17,000, OE
22B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN STATE
DEPARTMENT OF EDUCATION, BATON ROUGE
FY 1969, RENEWAL, $37,100, OE
22B055 STAFF DEVELOPMENT THROUGH ADMINISTRATIVE
AND SUPERVISORY TRAINING BELLE CHASSE STATE
SCHOOL, BELLE CHASSE
7/1/69-6/30/70, INITIAL, $30,651, SRS-DMR
22B060 TRAINING ATTENDANT PSYCHIATRIC AIDES AND
NURSES AIDE PERSONEL MR PINECREST STATE
SCHOOL, PINEVILLE
7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

CONSTRUCTION

22C005 COMMUNITY FACILITIES CONSTRUCTION, ADDO-
BOSSIER ASSOCIATION FOR RETARDED
CHILDREN, INC., SHREVEPORT
6/24/69, INITIAL, $82,800, SRS-DMR
22C010 COMMUNITY FACILITIES CONSTRUCTION, SOPHIA L.
GUMBEL CENTER, NEW ORLEANS
6/30/69, INITIAL, $109,500, SRS-DMR

OTHER

22D005 MR INITIAL STAFFING, COLUMBIA STATE SCHOOL,
COLUMBIA
9/1/68-8/31/70, INITIAL, $56,162, SRS-DMR
22D010 MR INITIAL STAFFING, DESIRE COMMUNITY
DEVELOPMENT CORPORATION, NEW ORLEANS
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

MAINE

TRAINING

23B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, FARMINGTON STATE TEACHER'S COLLEGE, FARMINGTON
FY 1969, RENEWAL, $19,040. OE

23B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, UNIVERSITY OF MAINE, ORONO
FY 1969, RENEWAL, $22,400. OE

23B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, UNIVERSITY OF MAINE, ORONO
FY 1969, RENEWAL, $24,300. OE

23B020 TRAINING PROGRAM FOR NURSING SERVICE PERSONNEL, MR PINELAND HOSPITAL AND TRAINING CENTER, POWNAL
7/1/69-12/31/70, INITIAL, $29,232, SRS-DMR

OTHER

23D005 DIAGNOSTIC AND EVALUATION CLINIC FOR MENTALLY RETARDED CHILDREN, WATERTOWN STATE DEPARTMENT OF HEALTH AND WELFARE, AUGUSTA
7/1/69-6/30/69, RENEWAL, $40,000. SRS-CB

23D010 MR INITIAL STAFFING, EASTERN MAINE FRIENDS OF RETARDED CHILDREN, INC., BREWER
7/1/69-6/30/70, INITIAL, $6,511. SRS-DMR

23D015 MR INITIAL STAFFING, GREATER WATERTOW ASSOC. FOR RETARDED CHILDREN, INC., WATERTOW
7/1/69-6/30/70, INITIAL, $12,075, SRS-DMR

23D020 MR INITIAL STAFFING, WORK ADJUSTMENT CENTER, PORTLAND
7/1/69-6/30/70, INITIAL, $10,831, SRS-DMR

MARYLAND

TRAINING

24B005 FACILITY IMPROVEMENT GRANT JEANNE BUSSARD TRAINING WORKSHOP, FREDERICK
5/1/69-3/30/70, RENEWAL, $18,878, SRS-RSA

24B010 FACILITY IMPROVEMENT GRANT MELWOOD AGRICULTURAL TRAINING CENTER, UPPER MARLBORO
5/1/69-3/30/70, RENEWAL, $6,390, SRS-RSA

24B012 INSERVICE TRAINING FOR COTAGE AND SUPERVISORY COUNSELORS MR DEPARTMENT OF PUBLIC WELFARE, LAUREL, MARYLAND
7/1/69-6/30/70, RENEWAL, $26,012, SRS-RSA

24B015 MULTI-DISCIPLINE PROGRAM FOR CARE OF MENTALLY RETARDED MR HENRYTON STATE HOSPITAL, HENRYTON
7/1/69-6/30/70, RENEWAL, $20,017, SRS-DMR

24B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, COTTIN STATE COLLEGE, BALTIMORE
FY 1969, RENEWAL, $56,300. OE

24B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, HOPKINS UNIVERSITY, BALTIMORE
FY 1969, RENEWAL, $30,000. OE

24B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, MANHATTAN SCHOOL, BALTIMORE
FY 1969, RENEWAL, $33,993. OE

24B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, UNIVERSITY OF MARYLAND, COLLEGE PARK
FY 1969, RENEWAL, $78,800. OE

24B040 TRAINING PROGRAM FOR ATTENDANTS AND SELECTED PERSONNEL, MR ROSEWOOD STATE HOSPITAL, OWINGS MILLS
7/1/69-6/30/70, RENEWAL, $21,340, SRS-DMR

24B045 UNIVERSITY-ASSOCIATED TRAINING PROGRAM IN MENTAL RETARDATION, JOHNS HOPKINS UNIVERSITY, BALTIMORE
7/1/68-6/30/69, RENEWAL, $2,275,179. SRS-CB

OTHER

24D005 BALTIMORE ASSOCIATION FOR RETARDED CHILDREN, BALTIMORE
7/1/69-12/31/70, INITIAL, $11,218. SRS-RSA

24D010 CARROLL COUNTY ASSOCIATION FOR RETARDED CHILDREN, WESTMINSTER
8/1/69-7/31/69, INITIAL, $2,295. SRS-RSA

24D015 GATEWAY TO BETTER LIVING, HENRYTON STATE HOSPITAL, HENRYTON
6/1/68-5/31/69, RENEWAL, SRS-DMR

24D020 MR INITIAL STAFFING, ANNE ARUNDEL COUNTY ARC, SEVERNA PARK
7/1/69-6/30/70, INITIAL, $27,675. SRS-DMR

24D025 MR INITIAL STAFFING, CHESTERWYE DAY CARE ACTIVITIES CENTER, INC., STEVENSVILLE
9/1/69-8/31/70, INITIAL, $8,700, SRS-DMR

24D030 NORTHERN MARYLAND SOCIETY FOR THE AID OF RETARDED CHILDREN, BEL AIR
6/26/69-6/24/70, INITIAL, $10,376. SRS-RSA

24D035 SELF-HELP TRAINING, DISTRICT TRAINING SCHOOL, LAUREL
5/1/69-4/30/70, INITIAL, $91,941, SRS-DMR

MASSACHUSETTS

TRAINING

25B005 A TRAINING PROGRAM FOR PHYSICAL THERAPY AIDES, MR HANNE STATE SCHOOL, HANNE
7/1/69-6/30/70, INITIAL, $12,443, SRS-DMR

25C059 DEVELOP UNDERSTANDING OF PROBLEMS OF MENTALLY RETARDED MR PAUL A. DEVER STATE SCHOOL, TAUNTON
7/1/69-6/30/70, RENEWAL, $18,051, SRS-DMR

25B020 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS, BOSTON COLLEGE, BOSTON
9/1/69-8/31/69, RENEWAL, $37,027. SRS-RSA

25B0020 GRADUATE PROGRAM IN OCCUPATIONAL THERAPY, BOSTON UNIVERSITY, BOSTON
10/1/69-9/30/69, RENEWAL, $38,301. SRS-CB

25B050 IMPROVE EDUCATION PROGRAMS FOR NURSING PERSONNEL, MR BELCHERTOWN STATE SCHOOL, BELCHERTOWN
7/1/69-6/30/70, RENEWAL, $23,068, SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

25B055 MANPOWER DEVELOPMENT-OFFICE OF MENTAL RETARDATION EXECUTIVE OFFICE OF ADMINISTRATION AND FINANCE, BOSTON FY 1969, RENEWAL, $73,862, SRS-P

25B070 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BOSTON UNIVERSITY, BOSTON FY 1969, RENEWAL, $153,400, OE

25B075 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CHESTNUT HILL FY 1969, RENEWAL, $73,800, OE

25B080 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BOSTON COLLEGE, CHESTNUT HILL FY 1969, RENEWAL, $73,800, OE

25B085 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NORTHEASTERN UNIVERSITY, BOSTON 6/1/69-8/31/70, INITIAL, $20,000, OE

25B090 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE COLLEGE AT FITCHBURG, FITCHBURG FY 1969, RENEWAL, $46,600, OE

25B095 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, BOSTON FY 1969, RENEWAL, $37,700, OE

25B100 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF MASSACHUSETTS, AMHERST 6/1/69-8/31/70, INITIAL, $17,010, OE

25B105 PSYCHIATRY-MENTAL RETARDATION WALTER E. FERNALD STATE SCHOOL, WALTHAM, FY 1969, RENEWAL, $50,000, NIMH

25B110 TRAINING IN EPILEPSY CHILDREN'S HOSPITAL MEDICAL CENTER, BOSTON 7/1/68-6/30/69, RENEWAL, $64,000, SRS-CB

25B115 TRAINING IN MENTAL RETARDATION MASSACHUSETTS GENERAL HOSPITAL, BOSTON 7/1/68-6/30/69, RENEWAL, $523,075, SRS-CB

25B120 TRAINING SERVICES GRANT SPRINGFIELD GOODWILL INDUSTRIES, SPRINGFIELD 6/25/69-6/24/70, RENEWAL, $142,640, SRS-RSA

CONSTRUCTION

25C005 COMMUNITY FACILITIES CONSTRUCTION, WORCESTER SCHOOL FOR MENTAL RETARDATION, SHREWSBURY 6/30/69, INITIAL, $264,395, SRS-RSA

OTHER

25D005 A CHILD EXPERIENCE ENRICHMENT PROGRAM, PAUL A DEVER STATE SCHOOL, TAUNTON 12/1/68-11/30/69, RENEWAL, $95,186, SRS-DMR

25D010 AN IMPROVED PROGRAM FOR HABILITATION OF THE RETARDED, BELCHERTOWN STATE SCHOOL, BELCHERTOWN 1/1/69-12/31/69, RENEWAL, $7,276, SRS-DMR

25D015 CASE FINDING AND DAY CARE SERVING TOTALLY DEPENDENT CHILDREN SOUTH SHORE MENTAL HEALTH ASSOCIATION, QUINCY FY 1969, RENEWAL, $78,594, SRS-P

25D020 CHILDREN'S DEVELOPMENTAL CLINIC, CAMBRIDGE STATE DEPARTMENT OF PUBLIC HEALTH, BOSTON 7/1/68-6/30/69, RENEWAL, $135,608 SRS-CB

25D025 EXPANDED SCREENING STUDY FOR GALACTOSEMIA AND OTHER METABOLIC DISORDERS, BOSTON STATE DEPARTMENT OF PUBLIC HEALTH, BOSTON 7/1/68-6/30/69, RENEWAL, $159,320, SRS-CB

25D035 MR INITIAL STAFFING, DEPARTMENT OF MENTAL HEALTH, BOSTON 7/1/69-6/30/70, INITIAL, $45,033, SRS-DMR


25D045 MR INITIAL STAFFING, DEPARTMENT OF MENTAL HEALTH, BOSTON

25D050 MR INITIAL STAFFING, DEPARTMENT OF MENTAL HEALTH, BOSTON 9/1/69-8/31/70, INITIAL, $10,874, SRS-DMR

25D055 MR INITIAL STAFFING, DEPARTMENT OF MENTAL HEALTH, BOSTON 7/1/69-6/30/70, INITIAL, $59,240, SRS-DMR

25D060 PKU COLLABORATIVE STUDY NEW ENGLAND DEACONESS HOSPITAL, BOSTON 7/1/68-6/30/69, RENEWAL, $58,100, SRS-CB

25D065 TRAINING SEVERELY RETARDED ADULTS FROM THE BACK WARDS, WALTER E FERNALD STATE SCHOOL, WAVERLEY 9/1/68-8/31/69, RENEWAL, $8,715, SRS-DMR

25D070 TRAINING THE UNTRAINABLE, WRENTHAM STATE SCHOOL, WRENTHAM 9/1/68-8/31/69, RENEWAL, $50,307, SRS-DMR

MICHIGAN

TRAINING

26B001 APPRAISAL CENTER FOR MULTIPLE HANDICAPPED CHILDREN, CHILDREN'S HOSPITAL, DETROIT STATE DEPARTMENT OF PUBLIC HEALTH, LANSING 7/1/68-6/30/69, RENEWAL, $95,186, SRS-DMR

26B005 EXPAND ATTENDANT NURSE TRAINING PROGRAM MR COLDWATER STATE HOME AND SCHOOL, COLDWATER 7/1/68-6/30/70, RENEWAL, $25,000, SRS-DMR

26B006 FIELD INSTRUCTION OF REHABILITATION COUNSELING STUDENTS MICHIGAN STATE UNIVERSITY, EAST LANSING 9/1/68-8/31/69, RENEWAL, $77,109, SRS-RSA

26B007 FIELD INSTRUCTION OF SPEECH PATHOLOGY AND AUDIOLOGY MICHIGAN STATE UNIVERSITY, EAST LANSING 9/1/68-8/31/69, RENEWAL, $34,185, SRS-RSA

26B008 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS UNIVERSITY OF MICHIGAN, ANN ARBOR 9/1/68-8/31/69, RENEWAL, $79,282, SRS-RSA

26B009 GRADUATE PROGRAM FOR PHYSICANS IN THE FIELD OF MENTAL RETARDATION AND ASSOCIATED CONDITIONS UNIVERSITY OF MICHIGAN, ANN ARBOR 9/1/68-8/31/69, RENEWAL, $43,346, SRS-CB

26B010 INSERVICE TRAINING FOR ATTENDANT PERSONNEL MR LAPEER STATE HOME AND TRAINING SCHOOL, LAPEER 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

26B011 MENTAL RETARDATION TRAINING UNIVERSITY OF MICHIGAN, ANN ARBOR MICHIGAN 4/1/69-9/30/69, INITIAL, $137,114, SRS-CB

26B012 MENTAL STUDY UNIT, UNIVERSITY OF MICHIGAN, ANN ARBOR STATE DEPARTMENT OF PUBLIC HEALTH, LANSING 7/1/68-6/30/69, RENEWAL, $66,226, SRS-CB

26B013 JEWISH VOCATIONAL SERVICE AND COMMUNITY WORKSHOP, DETROIT FY 1969, INITIAL, $51,097, SRS-RSA

26B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CENTER MICHIGAN UNIVERSITY, MT. PLEASANT FY 1969, RENEWAL, $32,403, OE

26B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN EASTERN MICHIGAN UNIVERSITY, YPSILANTI FY 1969, RENEWAL, $32,400, OE

26B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MICHIGAN STATE UNIVERSITY, EAST LANSING FY 1969, RENEWAL, $32,400, OE

26B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NORTHERN MICHIGAN UNIVERSITY, MARQUETTE FY 1969, RENEWAL, $32,400, OE

26B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, LANSING FY 1969, RENEWAL, $32,400, OE
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

26B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF MINNESOTA, MINNEAPOLIS, FY 1969, RENEWAL, $94,000, OE

26B035 TRAINING PSYCHIATRIC TECHNICIANS AND PATIENT CARE PERSONNEL IN PLYMOUTH STATE HOSPITAL, FARIBAULT 7/1/69-6/30/70, RENEWAL, $20,960, SRS-DMR

26B040 TRAINING SERVICES GRANT OPPORTUNITY WORKSHOP, INC., MINNEAPOLIS 1/1/69-12/31/69, RENEWAL, $142,483, SRS-RSA

OTHER

27D005 CHILD DEVELOPMENT CENTER, FERGUS FALLS STATE DEPARTMENT OF HEALTH, MANKATO 7/1/68-6/30/69, RENEWAL, $56,489, SRS-CB

27D010 CHILD STUDY CENTER, OWATONNA STATE DEPARTMENT OF HEALTH, MINNEAPOLIS 7/1/68-6/30/69, RENEWAL, $60,000, SRS-CB

27D015 CLINICAL-LABORATORY STUDY MENTALLY RETARDED CHILDREN SAINT PAUL RAMSEY HOSPITAL, SAINT PAUL FY 1969, RENEWAL, $76,340, SRS-P

CONSTRUCTION

26C005 COMMUNITY FACILITIES CONSTRUCTION, OAKLAND COUNTY MENTAL RETARDATION CENTER, PONTIAC 6/27/69, INITIAL, $1,007,887, SRS-DMR

TRAINING

27B005 CHILD DEVELOPMENT TECHNICIAN TRAINING PROGRAM ST. MARY'S JUNIOR COLLEGE, MINNEAPOLIS FY 1969, RENEWAL, $43,100, SRS-P

27B008 TRIPLE TRAINING OF PROFESSIONAL PERSONEL IN THE EDUCATION OF HANDICAPPED CHILDREN CLOUD STATE COLLEGE, ST. CLOUD FY 1969, RENEWAL $11,300.

27B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE COLLEGE, ST. CLOUD FY 1969, RENEWAL, $43,100, SRS-P

27B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN WISCONSIN STATE COLLEGE, KALAMAZOO FY 1969, RENEWAL, $28,300

27B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN WAYNE STATE UNIVERSITY, DETROIT FY 1969, RENEWAL, $34,500, OE

27B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, ST. PAUL FY 1969, RENEWAL, $38,775, OE

27B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF MINNESOTA, MINNEAPOLIS FY 1969, RENEWAL, $94,000, OE

27B035 TRAINING PSYCHIATRIC TECHNICIANS AND PATIENT CARE PERSONNEL IN PLYMOUTH STATE HOSPITAL, FARIBAULT 7/1/69-6/30/70, RENEWAL, $20,960, SRS-DMR

27B040 TRAINING SERVICES GRANT OPPORTUNITY WORKSHOP, INC., MINNEAPOLIS 1/1/69-12/31/69, RENEWAL, $142,483, SRS-RSA

MINNESOTA

OTHER

26D005 COMPREHENSIVE PROGRAMMING FOR THE SEVERELY RETARDED, FORT CUSTER STATE HOME, AUGUSTA 3/1/69-2/26/70, RENEWAL, $99,687, SRS-DMR

26D010 ENRICHED ENVIRONMENT FOR YOUNG RETARDED PATIENTS, PLYMOUTH STATE HOME AND TRAINING SCHOOL, NORTHVILLE 6/1/69-6/30/70, RENEWAL, $76,100, SRS-DMR

26D015 HABIT TRAINING OF THE SEVERELY RETARDED, MOUNT PLEASANT STATE HOME AND TRAINING SCHOOL, MOUNT PLEASANT 6/1/69-6/30/70, RENEWAL, $100,000, SRS-DMR

26D020 MR INITIAL STAFFING, OAKLAND CO. COMMUNITY MENTAL HEALTH SERVICES BOARD, BIRMINGHAM 1/1/70-12/31/70, INITIAL, $211,562, SRS-DMR

26D025 MR INITIAL STAFFING, PLYMOUTH STATE HOME AND TRAINING SCHOOL, NORTHVILLE 1/1/69-12/31/70, INITIAL, $211,562, SRS-DMR

26D030 PATIENT PROGRESS BY EVALUATION AND PHYSICAL THERAPY, CARO STATE HOSPITAL FOR EPILEPTICS, CARO 12/1/68-11/30/69, RENEWAL, $98,273, SRS-DMR

MISSISSIPPI

TRAINING

28B005 BASIC TRAINING IN MENTAL RETARDATION AS AN ASPECT OF GRADUATE TRAINING IN PSYCHOLOGY UNIVERSITY OF MISSISSIPPI, JACKSON FY 1969, RENEWAL, $24,045, SRS-P

28B010 CHILD DEVELOPMENT CLINIC UNIVERSITY OF MISSISSIPPI, JACKSON 7/1/68-6/30/69, RENEWAL, $122,854, SRS-CB

28B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN WAYNE STATE UNIVERSITY, DETROIT FY 1969, RENEWAL, $20,960, SRS-P

28B030 COMMUNITY COUNSELING UNIVERSITY OF SOUTHERN MISSISSIPPI, HATTIESBURG FY 1969, INITIAL, $7,668, SRS-P
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

MISSOURI

TRAINING

29B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC HEALTH AND WELFARE, JEFFERSON CITY FY 1969, RENEWAL, $175,264, SRS-CB

29B010 CHILD DEVELOPMENT CLINIC UNIVERSITY OF MISSOURI, COLUMBIA 7/1/69-6/30/69, RENEWAL, $136,000, SRS-CB

29B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CENTRAL MISSOURI STATE COLLEGE, KIRKSVILLE FY 1969, RENEWAL, $11,000, SRS-DMR

29B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SOUTHEAST MISSOURI STATE COLLEGE, CAPE GIRARDEAU FY 1969, RENEWAL, $2,800, SRS-DMR

29B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF MISSOURI, ST. LOUIS FY 1969, RENEWAL, $49,800, OE

29B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF MISSOURI, ST. LOUIS 6/1/69-8/31/70, INITIAL, $15,000, OE

OTHER

29D005 DAY CARE CENTER DEMONSTRATION PROJECT FOR SEVERELY RETARDED CHILDREN DEPARTMENT OF MEDICINE SAINT LOUIS UNIVERSITY MEDICAL SCHOOL, ST. LOUIS FY 1969, RENEWAL, SRS-P

29D010 DIAGNOSTIC LABORATORY FOR MENTAL RETARDATION CURATORS UNIVERSITY OF MISSOURI, COLUMBIA FY 1969, RENEWAL, SRS-P

MONTANA

TRAINING

30B005 A DEMONSTRATION TRAINING PROGRAM FOR PROVIDING DENTAL SERVICES TO MENTALLY RETARDED PEOPLE, HELENA MONTANA STATE DEPARTMENT OF HEALTH, HELENA FY 1969 RENEWAL, $23,262, SRS-P

30B010 A UNIT TEAM TRAINING PROGRAM MR BOULDER RIVER SCHOOL AND HOSPITAL, BOULDER FY 1969, RENEWAL, $25,000, SRS-DMR

30B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN EAST MONTANA COLLEGE COLLEGE OF EDUCATION, BILLINGS FY 1969, RENEWAL, $42,600 OE

CONSTRUCTION

30C035 COMMUNITY FACILITIES CONSTRUCTION, EASTERN MONTANA COLLEGE, BILLINGS 6/30/69, INITIAL, $225,850, SRS-DMR

OTHER

30D005 BUTTE SHELTERED WORKSHOP, BUTTE 6/30/69-9/29/70, INITIAL, $20,100, SRS-53A

30D010 DEVELOPMENT OF A COTTAGE UNIT TEAM PROGRAM, BOULDER RIVER SCHOOL AND HOSPITAL, BOULDER 2/1/69-1/31/70, RENEWAL, $69,809, SRS-DMR

30D015 ESTABLISH CLINIC FOR DIAGNOSIS AND EVALUATION OF RETARDED MONTANA STATE DEPARTMENT OF HEALTH, HELENA FY 1969, RENEWAL, $64,840, SRS-P

30D020 ESTABLISH REGIONAL INFORMATION REFERRAL CENTER IN GRANT FACILITY FOR HANDICAPPED CHILDREN MONTANA STATE DEPARTMENT OF HEALTH, HELENA FY 1969, RENEWAL, $55,040, SRS-P
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

NEBRASKA

TRAINING

31B005 A MENTAL RETARDATION EVALUATION AND COUNSELING CLINIC UNIVERSITY OF NEBRASKA, LINCOLN-OMAHA 7/1/68-6/30/69, RENEWAL, $116,121, SRS-CB
31B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MUNICIPAL UNIVERSITY OF OMAHA, OMAHA FY 1969, RENEWAL, $23,579, OE
31B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, LINCOLN FY 1969, RENEWAL, $22,579, OE
31B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF NEBRASKA, LINCOLN FY 1969, RENEWAL, $16,500, OE
31B025 TRAINING SERVICES GRANT GOODWILL INDUSTRIES OF OMAHA, OMAHA 6/25/69-6/24/70, RENEWAL, $155,822, SRS-RSA

CONSTRUCTION

31C005 COMMUNITY FACILITIES CONSTRUCTION, CHAP., BELLEVUE PUBLIC SCHOOL, BELLEVUE 6/27/69, INITIAL, $179,600, SRS-DMR
31C010 MR INITIAL STAFFING, GREATER OMAHA ASSOC. FOR RETARDED CHILDREN, INC., OMAHA 9/1/69-8/31/70, INITIAL, $46,575, SRS-DMR

OTHER

31D005 CENTRAL NEBRASKA ASSOCIATION FOR RETARDED CHILDREN, GRAND ISLAND 6/29/69-6/28/70, INITIAL, $4,500, SRS-RSA

NEVADA

TRAINING

32B005 INSERVICE TRAINING FOR THE ATTENDANT STAFF NEVADA STATE HOSPITAL, RENO 7/1/68-6/30/70, RENEWAL, $10,234, SRS-DMR
32B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NEVADA SOUTHERN UNIVERSITY, LAS VEGAS 6/1/69-8/31/70, INITIAL, $14,600, OE
32B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, CARSON CITY FY 1969, RENEWAL, $35,900, OE
32B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF NEVADA, RENO FY 1969, RENEWAL, $19,600, OE

OTHER

32D005 DIAGNOSTIC, PREVENTIVE, AND THERAPEUTIC SERVICE FOR PRE-SCHOOL CHILDREN WITH DEVELOPMENTAL RETARDATION, RENO AND LAS VEGAS STATE DEPARTMENT OF HEALTH AND WELFARE, CARSON CITY 7/1/68-6/30/69, RENEWAL, $65,000, SRS-CB

NEW HAMPSHIRE

TRAINING

33B005 LEBANON REGIONAL TRAINING CENTER, LEBANON 7/1/68-7/19/69, INITIAL, $3,975, SRS RSA
33B010 ORIENTATION AND TRAINING COURSES FOR NURSING ATTENDANTS MR LACONIA STATE SCHOOL, LACONIA 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR
33B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BOARD OF EDUCATION, CONCORD FY 1969, RENEWAL, $27,700, OE
33B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN KEENE STATE COLLEGE, KEENE FY 1969, RENEWAL, $17,100, OE

OTHER

33D005 MANCHESTER ASSOCIATION FOR RETARDED CHILDREN, MANCHESTER 5/1/69-4/30/70, INITIAL, $4,500, SRS RSA
33D010 MR INITIAL STAFFING, THE NEW HOPE CENTER, KEENE 7/1/69-6/30/70, INITIAL, $6,750, SRS DMR
33D015 NORTH COUNTY CENTER FOR EXCEPTIONAL CHILDREN NORTH COUNTY COMMUNITY SERVICES, INC., BERLIN FY 1969, RENEWAL, $20,578, SRS-P
33D020 PERSONAL DEVELOPMENT AND DAY CARE CENTER MANCHESTER ASSOCIATION FOR RETARDED CHILDREN, MANCHESTER FY 1969, RENEWAL, $14,041, SRS-P
33D025 THE NEW HOPE CENTER CHESHIRE COUNTY ASSOCIATION FOR RETARDED CHILDREN, KEENE FY 1969, RENEWAL, $13,000, SRS-P
33D030 THERAPEUTIC MILIEU FOR MENTALLY RETARDED, LACONIA STATE SCHOOL, LACONIA 5/1/69-4/30/70, RENEWAL, $100,000, SRS-DMR

NEW JERSEY

TRAINING

34B005 ADDITIONAL 7.35 ACRES OF LAND AT VA HOSPITAL, LYNYS- RESIDENTIAL FACILITY FOR CARE AND TRAINING OF MENTALLY RETARDED, STATE DEPT. OF INSTITUTIONS 4/29/69 ADDITIONAL, $7,060, OSPU
34B010 CONTINUE IMPROVEMENT OF TRAINING FOR COTTAGE LIFE PERSONNEL MR STATE COLONY AT WOODBINE, WOODBINE 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR
34B015 DEVELOP TRAINING FOR ATTENDANT PERSONNEL MR NORTH JERSEY TRAINING SCHOOL, TOTOWA 7/1/69-6/30/70, INITIAL, $24,492, SRS-DMR
34B020 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS RUTGERS, THE STATE UNIVERSITY, NEW BRUNSWICK 9/1/68-8/31/69, RENEWAL, $76,726, SRS-RSA
34B025 INSERVICE TRAINING FOR ATTENDANTS AND PROFESSIONAL STAFF MR VINELAND STATE SCHOOL, VINELAND 7/1/69-6/30/70, RENEWAL, $24,776, SRS-DMR
34B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN GLASSBORO STATE COLLEGE, GLASSBORO FY 1969, RENEWAL, $38,000, OE
34B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN JERSEY CITY STATE COLLEGE, JERSEY CITY FY 1969, RENEWAL, $9,000, OE
34B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NEWARK STATE COLLEGE, UNION FY 1969, RENEWAL, $38,000, OE
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

34B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN PATTERNSON STATE COLLEGE, WAYNE
6/1/69-8/31/70, INITIAL, $17,700, OE

34B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY, NEW BRUNSWICK
6/1/69-8/31/70, INITIAL, $26,500, OE

34B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, TRENTON
FY 1969, RENEWAL, $18,000, OE

34B060 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN TRENTON STATE COLLEGE, TRENTON
FY 1969, RENEWAL, $26,500, OE

34B065 TEAM ORIENTED TRAINING MR E.R. JOHNSTONE TRAINING AND RESEARCH CENTER, BORDENTOWN 7/1/69-6/30/70, INITIAL, $23,124, SRS-DMR

34B070 TRAINED COTTAGE LIFE EMPLOYEES WITH ADEQUATE KNOWLEDGE AND SKILLS MR STATE COLONY AT NEW LISBON, NEW LISBON 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

34B075 TRAINING PROGRAM FOR ATTENDANT PERSONNEL, MR WOODBRIDGE STATE SCHOOL, WOODBRIDGE 7/1/69-6/30/70, RENEWAL, $24,721, SRS-DMR

CONSTRUCTION

34C005 COMMUNITY FACILITIES CONSTRUCTION, BURLINGTON COUNTY DAY CARE CENTER, BURLINGTON 5/26/69, INITIAL, $109,358, SRS-DMR

34C010 COMMUNITY FACILITIES CONSTRUCTION, CAPE MAY COUNTY DAY CARE CENTER, CAPE MAY COURT HOUSE 5/26/69, INITIAL, $109,359, SRS-DMR

34C015 COMMUNITY FACILITIES CONSTRUCTION, MIDDLESEX COUNTY DAY CARE CENTER, WOODBRIDGE 5/26/69, INITIAL, $109,358, SRS-DMR

OTHER

34D005 CONCENTRATED DORMITORY SERVICES, E R JOHNSTONE TRAINING AND RESEARCH CENTER, BORDENTOWN 1/1/69-12/31/69, RENEWAL, $68,968, SRS-DMR

34D010 EVALUATION-CONSULTATION SERVICE MENTAL RETARDATION NEWARK STATE COLLEGE CHILD STUDY CENTER, UNION FY 1969, RENEWAL, $98,281, SRS-P

34D015 IMPROVED CARE FOR THE AGING RETARDEATE, STATE COLONY, WOODBINE 1/1-6/2/31/69, RENEWAL, $61,714, SRS-DMR

34D020 IMPROVEMENT OF LANGUAGE SKILLS IN RETARDED CHILDREN, NORTH JERSEY TRAINING SCHOOL, TOTOWA 6/1/69-5/31/70, RENEWAL, $94,571, SRS-DMR

34D025 INDEPENDENT LIVING ORIENTED ACTIVITIES PROGRAM MENTAL RETARDATION STATE DEPARTMENT OF INSTITUTIONS AND AGENCIES, TRENTON FY 1969, RENEWAL, $112,961, SRS-P

34D030 MAXIMAL STIMULATION AND CARE FOR SEVERELY RETARDED, VINELAND STATE SCHOOL, VINELAND 9/1/69-5/31/69, RENEWAL, $34,071, SRS-DMR

34D035 MR INITIAL STAFFING, EASTER SEAL SOCIETY FOR CRIPPLED CHILDREN AND ADULTS, HACKENSACK 8/1/69-5/31/70, INITIAL, $7,725, SRS-DMR

34D040 MR INITIAL STAFFING, MERCER COUNTY UNIT, NJ ARC, TRENTON 9/1/69-5/31/70, INITIAL, $8,250, SRS-DMR

34D045 MR INITIAL STAFFING, MT. CARMEL GUILD ALHAMBRA PAVILION DAY CARE CENTER, NEWARK 7/1/69-6/30/70, INITIAL, $161,108, SRS-DMR

34D050 MR INITIAL STAFFING, NJ ARC, BERGEN-PASSAICA UNIT, INC., HACKENSACK 2/1/70-1/31/71, INITIAL, $25,350, SRS-DMR

34D055 MR INITIAL STAFFING, NJ ARC, BERGEN-PASSAICA UNIT, INC., HACKENSACK 10/1/69-9/30/70, INITIAL, $15,750, SRS-DMR

34D060 MR INITIAL STAFFING, NJ ARC, ESSEX UNIT, EAST ORANGE 9/1/69-8/31/70, INITIAL, $13,320, SRS-DMR

34D065 MR INITIAL STAFFING, NJ ASSOCIATION FOR RETARDED CHILDREN, INC., RENIL NORTH 8/1/69-7/31/70, INITIAL, $14,331, SRS-DMR

34D070 MR INITIAL STAFFING, OCCUPATIONAL TRAINING CENTER, MOUNT HOLLY 9/1/69-8/31/70, INITIAL, $5,625, SRS-DMR

34D075 NEW JERSEY ASSOCIATION FOR RETARDED CHILDREN, MONMOUTH COUNTY UNIT RED BANK FY 1969, INITIAL, $18,384, SRS RSA

34D080 NEW JERSEY REHABILITATION COMMISSION, TRENTON 6/29/69-6/28/70, INITIAL, $4,500, SRS RSA

34D085 NORTH JERSEY COMMUNITY UNION, NEWARK 6/30/69-6/29/70, INITIAL, $4,950, SRS RSA

34D090 OCCUPATIONAL CENTER OF ESSEX COUNTY, ORANGE 6/29/69-6/28/70, INITIAL, $20,658, SRS RSA

34D095 OCEAN COUNTY SHELTERED WORKSHOP, LAKewood 6/29/69-6/28/70, INITIAL, $19,032, SRS RSA

34D100 PHYSICAL HABILITATION FOR THE SEVERELY RETARDED, WOODBRIDGE STATE SCHOOL, WOODBRIDGE 1/1/69-12/31/69, RENEWAL, $81,311, SRS-DMR

34D105 SELF HELP SKILLS TAUGHT THRU ART MUSIC INNOVATIONS, VINELAND STATE SCHOOL, VINELAND 6/15/69-5/31/70, RENEWAL, $40,054, SRS-DMR

34D110 THE HUNTERDON COUNTY UNIT OF NEW JERSEY ASSOCIATION FOR RETARDED CHILDREN, PITTSTOWN 6/25/69-6/24/70, INITIAL, $4,493, SRS RSA

NEW MEXICO

TRAINING

35B005 INSERVICE TRAINING PROGRAM FOR ATTENDANT PERSONNEL MR LOS LUNAS HOSPITAL AND TRAINING SCHOOL, LOS LUNAS 7/1/69-6/30/70, INITIAL, $18,030, SRS-DMR

35B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN EASTERN NEW MEXICO UNIVERSITY, PORTALES FY 1969, RENEWAL, $42,900, OE

35B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN DEPARTMENT OF PUBLIC INSTRUCTION, SANTA FE FY 1969, RENEWAL, $42,900, OE

35B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF NEW MEXICO, ALBUQUERQUE FY 1969, RENEWAL, $42,300

CONSTRUCTION

35C005 COMMUNITY FACILITIES CONSTRUCTION, LOS LUNAS HOSPITAL AND TRAINING SCHOOL, LOS LUNAS 6/30/69, INITIAL, $267,254, SRS-DMR

OTHER

35D005 CHILD DEVELOPMENT CENTER, SANTAFE STATE DEPARTMENT OF PUBLIC HEALTH, SANTAFE 7/1/69-6/30/69, RENEWAL, $94,000, SRS-CB

35D010 CHILD STUDY CENTER, ALBUQUERQUE STATE DEPARTMENT OF PUBLIC HEALTH, SANTAFE 7/1/69-6/30/69, RENEWAL, $73,000, SRS-CB

35D015 MR INITIAL STAFFING, BERNALILLO COUNTY MENTAL HEALTH CENTER, ALBUQUERQUE 7/1/69-6/30/70, INITIAL, $44,763, SRS-DMR

35D020 MR INITIAL STAFFING, CASA LINDA PRIVATE SCHOOL, INC., ALBUQUERQUE 8/1/69-7/31/70, INITIAL, $23,856, SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

NEW YORK

TRAINING

36B005 A COMMUNITY CENTER DEMONSTRATION AND TRAINING CENTER FOR MENTALLY RETARDED CHILDREN AND YOUTH IN THE BRONX RIVER NEIGHBORHOOD CENTER HUNTER COLLEGE SCHOOL OF SOCIAL WORK, NEW YORK
7/1/68-6/30/69, RENEWAL, $19,221, SRS-CB

36B010 A PLAN TO AID DEVELOPMENT INDEPENDENT CHILDREN, WEST SENECA STATE SCHOOL, WEST SENECA
6/1/69-5/31/70, RENEWAL, $99,992, SRS-DMR

36B015 CENTER FOR SHORT-TERM TRAINING IN MENTAL RETARDATION XXXXX COLLEGE, COLUMBIA UNIVERSITY, NEW YORK
9/1/68-8/31/69, RENEWAL, $109,181, SRS-RSA

36B020 DIAGNOSTIC AND COUNSELING STUDY CENTER FOR RETARDED CHILDREN, BUFFALO STATE DEPARTMENT OF HEALTH, ALBANY
7/1/68-6/30/69, RENEWAL, $37,287, SRS-CB

36B025 FACILITY FOR TREATMENT OF METABOLIC DISEASES NEW YORK UNIVERSITY MEDICAL CENTER, NEW YORK
4/1/69-3/31/70, RENEWAL, $156,624, SRS-CB

36B030 FACILITY IMPROVEMENT GRANT ASSN. FOR CHILDREN WITH RETARDED MENTAL DEVELOPMENT, INC., NEW YORK
6/15/69-6/14/70, RENEWAL, $28,358, SRS-RSA

36B035 FACILITY IMPROVEMENT GRANT ASSN. FOR THE HELP OF RETARDED CHILDREN, INC., LONG ISLAND
5/1/69-4/30/70, RENEWAL, $13,771, SRS-RSA

36B040 FACILITY IMPROVEMENT GRANT COMMUNITY WORKSHOP, INC., GLENS FALLS
6/15/69-6/14/70, RENEWAL, $14,499, SRS

36B045 FIELD INSTRUCTION OF REHABILITATION COUNSELING STUDENTS NEW YORK MEDICAL COLLEGE, NEW YORK
9/1/68-8/31/69, RENEWAL, $15,466, SRS-RSA

36B050 FIELD INSTRUCTION OF REHABILITATION COUNSELING STUDENTS STATE UNIVERSITY OF NEW YORK, BUFFALO
9/1/68-8/31/69, RENEWAL, $80,232, SRS-RSA

36B055 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS NEW YORK UNIVERSITY, NEW YORK
9/1/69-8/31/70, RENEWAL, $28,287, SRS-RSA

36B060 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS SYRACUSE UNIVERSITY, SYRACUSE
6/1/69-5/31/70, RENEWAL, $37,644, SRS-RSA

36B065 HUMAN GENETICS PROGRAM STATE UNIVERSITY OF NEW YORK, NEW YORK
7/1/68-6/30/69, RENEWAL, $189,200, SRS-CB

36B070 INSERVICE EDUCATION FOR DIRECT PATIENT CARE RESPONSIBILITIES CRAIG COLONY SCHOOL AND HOSPITAL, SYRACUSE
7/1/69-6/30/70, RENEWAL, $23,299, SRS-DMR

36B075 INTENSIVE HABILITATION AND MOTIVATION PROGRAM, CRAIG COLONY SCHOOL AND HOSPITAL, SYRACUSE
6/1/68-5/31/70, RENEWAL, $83,127, SRS-DMR

36B080 INTERDISCIPLINARY TRAINING IN MENTAL RETARDATION NEW YORK MEDICAL COLLEGE, NEW YORK
7/1/68-6/30/69, RENEWAL, $556,791, SRS-CB

36B085 MENTAL RETARDATION DENTAL TRAINING PROJECT LONG ISLAND JEWISH HOSPITAL, NEW HYDE PARK, L.I.
FY 1969, RENEWAL, $11,629, SRS-P

36B090 MULTIPLE TEST PROCEDURE FOR INBORN ERRORS OF METABOLISM STATE UNIVERSITY OF NEW YORK, BUFFALO
7/1/68-6/30/69, RENEWAL, $183,628, SRS-CB

36B095 PEDIATRIC AUDIOLGY TRAINING NEW YORK UNIVERSITY MEDICAL CENTER, NEW YORK
4/1/69-3/31/70, RENEWAL, $20,879, SRS-CB

36B100 PHYSICAL THERAPIST PARTICIPATION IN A MENTAL RETARDATION PROGRAM ITHACA COLLEGE, ITHACA
FY 1969, RENEWAL, $11,016, SRS-P

36B105 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN FORDHAM UNIVERSITY, NEW YORK
6/1/69-5/31/70, INITIAL, $21,200, OE

36B110 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN HOFSTRA UNIVERSITY, HEMPSTEAD, LONG ISLAND
FY 1969, RENEWAL, $31,800, OE

36B115 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MARYMOUNT MANHATTAN COLLEGE, NEW YORK
FY 1969, RENEWAL, $17,700, OE

36B120 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NEW YORK UNIVERSITY, NEW YORK
FY 1969, RENEWAL, $57,800, OE

36B125 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE EDUCATION DEPARTMENT, ALBANY
FY 1969, RENEWAL, $81,285, OE

36B130 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE UNIVERSITY COLLEGE AT BUFFALO, BUFFALO
FY 1969, RENEWAL, $115,800, OE

36B135 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE UNIVERSITY COLLEGE AT GENEESEO, GENEESEO
FY 1969, RENEWAL, $50,400, OE

36B140 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SYRACUSE UNIVERSITY, SYRACUSE
FY 1969, RENEWAL, $66,800, OE

36B145 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN TEACHERS COLLEGE AT COLUMBIA, NEW YORK
FY 1969, RENEWAL, $101,300, OE

36B150 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN THE COLLEGE OF ST. ROSE, ALBANY
FY 1969, RENEWAL, $102,900, OE

36B155 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED Yeshiva UNIVERSITY, NEW YORK
FY 1969, RENEWAL, $102,900, OE

36B160 PROMOTING COMMUNITY LIVING WITH RECREATION ACTIVITIES, ROME STATE SCHOOL, ROME
9/1/68-8/31/69, RENEWAL, $62,518, SRS-DMR

36B165 PSYCHIATRY-MENTAL RETARDATION LETCHWORTH VILLAGE, N.Y. STATE DEPT. OF MENTAL HYGIENE, TIELLS
FY 1969, RENEWAL, $38,953, NIMH

36B170 REHABILITATION CENTER, CHILDREN'S HOSPITAL OF BUFFALO AND CRIPPLED CHILDREN'S GUILD, BUFFALO STATE DEPARTMENT OF HEALTH, ALBANY
7/1/68-6/30/69, RENEWAL, $157,710, SRS-CB

36B175 RESIDENTIAL UNIT CARE PLAN FOR RETARDED CHILDREN NEWARK STATE SCHOOL, NEWARK
6/1/69-5/31/70, RENEWAL, $104,000, SRS-CB

36B180 SOCIAL WORK TRAINING AND THE DEVELOPMENT OF COMMUNITY HEALTH SERVICES FOR THE MENTALLY RETARDED NEWARK STATE UNIVERSITY, NEWARK
FY 1969, RENEWAL, $45,916, SRS-P

36B185 TEACHING PROGRAM IN MENTAL RETARDATION UNIVERSITY OF ROCHESTER, ROCHESTER
FY 1969, RENEWAL, $64,060, SRS-P

36B190 TODDLER TRAINING AND STIMULATION FOR MAXIMUM POTENTIAL WILLOWBROOK STATE SCHOOL, STATE, ISLAND
9/1/68-8/31/69, RENEWAL, $83,342, SRS-DMR

36B195 TRAINING ATTENDANTS IN MENTAL RETARDATION NEWARK STATE SCHOOL, NEWARK
7/1/69-6/30/70, RENEWAL, $13,472, SRS-DMR

36B200 TRAINING IN THE CARE OF HANDICAPPED CHILDREN ALBERT EINSTEIN MEDICAL COLLEGE, BRONX
7/1/68-6/30/69, RENEWAL, $179,966, SRS-CB

36B205 TRAINING SERVICES GRANT FEDERATION OF THE HANDICAPPED, NEW YORK
6/25/69-6/24/70, RENEWAL, $237,684, SRS-RSA

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CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

36B210 TRAINING SERVICES GRANT NIAGARA FRONTIER VOCATIONAL REHABILITATION CENTER, INC., BUFFALO 6/25/69-6/24/70, RENEWAL, $172,646, SRS-DSA

36B215 TRAINING TO INCREASE ATTENDANCE EFFECTIVENESS TO PATIENT CARE MR ROM ESTATE SCHOOL, ROME 7/1/69-6/30/70, $10,571, SRS-DMR

36B220 5.03 ACRES LAND AT FAA INTERNATIONAL FLIGHT SERVICE TRANSMITTER STATION ISELIP FOR CONSTRUCTION OF A TRAINING CENTER FOR MENTALLY AND PHYSICALLY HANDICAPPED, SKILLS UNLIMITED, INC. 12/5/69 INITIAL, $25,200, OSPU

36B225 26.18 ACRES LAND AND 4 BLDGS AT SCHENECTADY ARMY DEPOT SUPPORT DEPOT SERVICE SYSTEM FOR STATE OF N.Y. INSTITUTION FOR MENTALLY ILL AND RETARDED, STATE DEPARTMENT OF MENTAL HYGIENE 11/8/68, INITIAL, $565,000, OSPU

CONSTRUCTION

36C005 COMMUNITY FACILITIES CONSTRUCTION, JEFFERSON COUNTY ARC TRAINING CENTER, WATERTOWN 6/25/69, INITIAL, $269,366, SRS-DMR

36C010 COMMUNITY FACILITIES CONSTRUCTION, W.A.R.C. CENTER, WHITE PLAINS 6/25/69, INITIAL, $402,000, SRS-DMR

OTHER

36D005 COORDINATION OF NEW YORK CITY MENTAL RETARDATION PROGRAMS MEDICAL AND HEALTH RESEARCH ASSOCIATION OF NEW YORK CITY, INC., NEW YORK FY 1969, INITIAL, $47,587, SRS-P

36D010 MR INITIAL STAFFING, ALBERT EINSTEIN COLLEGE OF MEDICINE OF Yeshiva UNIV., BROXON 11/1/69-10/31/70, INITIAL, $87,245, SRS-DMR

36D015 MR INITIAL STAFFING, DEPARTMENT OF RECREATION, NEW YORK CITY 7/1/69-6/30/70, INITIAL, $50,535, SRS-DMR

36D020 MR INITIAL STAFFING, HUNTS POINT MULTI-SERVICE CENTER CORPORATION, BROXON 7/1/69-6/30/70, INITIAL, $77,591, SRS-DMR

36D025 MR INITIAL STAFFING, NY ARC, JEFFERSON COUNTY CHAPTE R, INC., WATERTOWN 9/1/69-8/31/70, INITIAL, $111,000, SRS-DMR

36D030 MR INITIAL STAFFING, NY ARC, MONROE COUNTY CHAPTER, ROCHESTER 11/1/70-12/31/70, INITIAL, $127,312, SRS-DMR

36D035 MR INITIAL STAFFING, NY MEDICAL COLLEGE, FLOWER AND 5TH AVE. HOSPITALS, NEW YORK CITY 7/1/69-6/30/70, INITIAL, $104,321, SRS-DMR

36D040 MR INITIAL STAFFING, NY STATE ASSOCIATION FOR RETARDED CHILDREN, INC., NEW CITY 9/1/69-8/31/70, INITIAL, $13,200, SRS-DMR

36D045 MR INITIAL STAFFING, SHIELD OF DAVID, INC., BROXON 9/1/69-8/31/70, INITIAL, $88,545, SRS-DMR

36D050 PARENT EDUCATION IN CHILD REARING PRACTICES FOR MENTALLY RETARDED CHILDREN ASSOCIATED YM-YWHAS OF GREATER NEW YORK, NEW YORK FY 1969, RENEWAL, $47,759, SRS-P

36D055 SATELLITE DAY CENTERS FOR RETARDED ADULTS ASSOCIATION FOR HELP OF RETARDED CHILDREN, NEW YORK FY 1969, RENEWAL, $88,550, SRS-P

NORTH CAROLINA

TRAINING

37B005 AUTOMATED DETECTION IN NEUROMETABOLIC DISEASES UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL 7/1/69-6/30/69, RENEWAL, $100,533 SRS-SCB

37B010 CENTER FOR SHORT-TERM TRAINING IN MENTAL RETARDATION UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL 3/1/69-2/28/70, RENEWAL, $79,613, SRS-DSA

37B015 DEVELOPMENTAL EVALUATION CLINIC UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL 7/1/68-6/30/69, RENEWAL, $298,914, SRS-CB

37B020 DEVELOPMENTAL EVALUATION CLINIC, BOWMAN GRAY SCHOOL OF MEDICINE, WINTON-SALEM STATE BOARD OF HEALTH, RALEIGH 7/1/68-6/30/69, RENEWAL, $124,434, SRS-CB

37B025 INSERVICE TRAINING CONTINUANCE FOR COTTAGE PARENTS MR WESTERN CAROLINA CENTER, MORGANTON 7/1/68-6/30/70, RENEWAL, $25,000, SRS-DMR

37B030 INSERVICE TRAINING FOR COTTAGE LIFE PERSONNEL MR MURDOCH CENTER, BUTNER 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

37B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN APPALACHIAN STATE TEACHERS COLLEGE, BOONE FY 1969, RENEWAL, $11,500

37B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN EAST CAROLINA COLLEGE, GREENVILLE FY 1969, RENEWAL, $33,900, OE

37B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, RALEIGH 14/1969, RENEWAL, $36,700, OE

37B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL FY 1969, RENEWAL, $95,400, OE

37B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN WESTERN CAROLINA COLLEGE, CULLOWHEE FY 1969, RENEWAL, $19,900, OE

37B060 TRAINING SERVICES GRANT WINTON-SALEM GOODWILL INDUSTRIES REHAB CENTER INC. WINTON-SALEM 6/25/69-6/24/70, RENEWAL, $187,734, SRS-DSA

CONSTRUCTION

37C005 COMMUNITY FACILITIES CONSTRUCTION, DUKE CIVITAN DEVELOPMENTAL AND EVALUATION CLINIC, DURHAM 6/24/69, INITIAL, $102,184, SRS-DMR

37C010 COMMUNITY FACILITIES CONSTRUCTION, GUILFORD COUNTY MENTAL RETARDATION COMPLEX, GREENSBORO 6/24/69, INITIAL, $336,338, SRS-DMR

37C015 COMMUNITY FACILITIES CONSTRUCTION, MELKENBURG CENTER FOR HUMAN DEVELOPMENT, CHARLOTTE 3/19/69, INITIAL, $220,271, SRS-DMR

OTHER

37D005 COMPREHENSIVE DAY CARE PROGRAM FOR MENTALLY RETARDED DAY CARE CENTER- RETARDED, FAYETTEVILLE FY 1969, RENEWAL, $35,116, SRS-P

37D010 COMPREHENSIVE INDIVIDUAL TREATMENT PROGRAMMING ANALYSIS, WESTERN CAROLINA CENTER, MORGANTON 5/1/69-4/30/70, NEW, $67,296, SRS-DMR

37D015 MITIGATION OF MENTAL RETARDATION THROUGH EARLY CARE AND MANAGEMENT OF CEREBRAL PALSY INFANTS THE NORTH CAROLINA CEREBRAL PALSY HOSPITAL, DURHAM FY 1969, RENEWAL, $43,173, SRS-P

37D020 MR INITIAL STAFFING, ALAMANCE CO. KINDERGARTEN FOR THE HANDICAPPED, INC., BURLINGTON 1/1/70-12/31/70, INITIAL, $8,813, SRS-DMR

37D025 MR INITIAL STAFFING, BRYAN MEMORIAL DAY CARE CENTER, LUMBERTON 9/1/69-8/31/70, INITIAL, $15,021, SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

37D030  MR INITIAL STAFFING, COLUMBUS CO. ASSOC. FOR RETARDED CHILDREN, WHITEVILLE
9/1/69-8/31/70, INITIAL, $19,148, SRS-DMR

37D035  MR INITIAL STAFFING, DEVELOPMENTAL EVAL. CLINIC AND DAY CARE ACTIVITY CENTER, GREENVILLE
7/1/69-6/30/70, INITIAL, $32,250, SRS-DMR

37D040  MR INITIAL STAFFING, GASTON COUNTY, GASTONIA
11/1/69-10/31/70, INITIAL, $70,200, SRS-DMR

37D045  MR INITIAL STAFFING, GREENSBORO SHELTERED WORKSHOP, INC., GREENSBORO
7/1/69-6/30/70, INITIAL, $17,085, SRS-DMR

37D050  MR INITIAL STAFFING, HIGH POINT KINDERGARTEN FOR THE HANDICAPPED, HIGH POINT
8/1/69-7/31/70, INITIAL, $30,025, SRS-DMR

37D055  MR INITIAL STAFFING, IRENE WORTHAM DAY CARE CENTER, INC., ASHEVILLE
1/1/70-12/31/70, INITIAL, $27,902, SRS-DMR

37D060  MR INITIAL STAFFING, MECKLENBURG COUNTY, CHARLOTTE
7/1/69-6/30/70, INITIAL, $160,204, SRS-DMR

37D065  MR INITIAL STAFFING, VOCATIONAL TRADES OF ALAMANCE, INC., BURLINGTON
9/1/69-8/31/70, INITIAL, $51,475, SRS-DMR

37D070  MR INITIAL STAFFING, WILKES DAY CARE ASSOCIATION, INC., NORTH WILKESBORO
7/1/69-6/30/70, INITIAL, $27,000, SRS-DMR

37D075  THE REHABILITATION OF ANTSOCIAL RETARDATES, MURDOCH CENTER, BUTNER
2/1/69-1/31/70, RENEWAL, $59,472, SRS-DMR

37D080  TRANSITION-BUFFER UNIT FOR MENTALLY RETARDED, WESTERN CAROLINA CENTER, MORGANTON
1/1/65-12/31/69, RENEWAL, $32,704, SRS-DMR

NORTH DAKOTA

TRAINING

38B005  INSERVICE TRAINING IN BASIC NURSING CARE MR GRAFTON STATE SCHOOL, GRAFTON
7/1/69-6/30/70, INITIAL, $25,000, SRS-DMR

38B010  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MINOT STATE COLLEGE, MINOT
FY 1969, RENEWAL, $29,500, OE

38B015  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MINOT STATE DEPARTMENT OF PUBLIC INSTRUCTION, BISMARK
FY 1969, RENEWAL, $30,960, OE

38B020  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF NORTHERN DAKOTA, GRAND FORKS
FY 1969, RENEWAL, $5,600, OE

OTHER

38D005  EVALUATION CENTER FOR EXCEPTIONAL CHILDREN, UNIVERSITY OF NORTHERN DAKOTA MEDICAL CENTER, GRAND FORKS STATE DEPARTMENT OF HEALTH, BISMARCK
7/1/68-6/30/69, RENEWAL, $99,009, SRS-CB

38D010  IN-PATIENT AND OUT-PATIENT SERVICES, GRAFTON STATE SCHOOL, GRAFTON
6/1/68-5/31/70, RENEWAL, SRS-DMR

38D015  MR INITIAL STAFFING, MINOT SCHOOL FOR THE MENTALLY HANDICAPPED, MINOT
7/1/69-6/30/70, INITIAL, $29,863, SRS-DMR

OHIO

TRAINING

39B005  CLINICAL PSYCHOLOGY TRAINING IN A MULTIDISCIPLINARY SETTING UNIVERSITY OF CINCINNATI, CINCINNATI
7/1/68-6/30/69, RENEWAL, $60,612, SRS-CB

39B010  MENTAL RETARDATION TRAINING OHIO STATE UNIVERSITY, COLUMBUS
7/1/68-6/30/69, RENEWAL, $337,155. SRS-CB

39B015  MENTAL RETARDATION TRAINING PROGRAM THE OHIO STATE UNIVERSITY, COLUMBUS
FY 1969, RENEWAL, $65,399. SRS-P

39B020  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BOWLING GREEN STATE UNIVERSITY, BOWLING GREEN
FY 1969, RENEWAL, $57,960. OE

39B025  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN KENT STATE UNIVERSITY, KENT FY 1969, RENEWAL,$52,600. OE

39B030  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN OHIO STATE UNIVERSITY, COLUMBUS
FY 1969, RENEWAL, $82,700. OE

39B035  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN OHIO UNIVERSITY, ATHENS
FY 1969, RENEWAL, $22,800. OE

39B040  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, COLUMBUS
FY 1969, RENEWAL, $394,000. OE

39B045  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF CINCINNATI, CINCINNATI
FY 1969, RENEWAL, $102,800. OE

39B050  TRAINEESHIP IN MENTAL RETARDATION FOR G. R. MOSES OHIO STATE UNIVERSITY, COLUMBUS
FY 1969, INITIAL, $5,085. SRS-P

39B055  TRAINEESHIP IN MENTAL RETARDATION FOR VINCENT LUSTIG OHIO STATE UNIVERSITY, COLUMBUS
FY 1969, INITIAL, $5,085. SRS-P

39B060  TRAINING IN THE COMPREHENSIVE CARE OF HANDICAPPED CHILDREN CASE WESTERN RESERVE UNIVERSITY, CLEVELAND
7/1/68-6/30/69, RENEWAL, $73,972. SRS-CB

39B065  TRAINING OF ATTENDANTS AND SUPERVISING PERSONNEL MR COLUMBUS STATE SCHOOL, COLUMBUS
7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

39B070  TRAINING PROGRAM FOR DOCTORAL STUDENTS IN PSYCHOLOGY OHIO STATE UNIVERSITY, COLUMBUS
10/1/68-6/30/69, RENEWAL, $40,118. SRS-CB

39B075  TRAINING PROGRAM IN MENTAL RETARDATION CASE WESTERN RESERVE UNIVERSITY, CLEVELAND
7/1/68-6/30/69, RENEWAL, $41,071. SRS-CB

39B080  TRAINING SERVICES FOR GOODWILL INDUSTRIES OF CENTRAL OHIO, OHIO
6/25/69-6/24/70, RENEWAL, $126,755, SRS-RSA

39B085  TREATMENT OF METABOLIC DISORDERS REQUIRING LONG, A CLINICAL TEAM APPROACH. CHILDREN'S HOSPITAL, CINCINNATI
7/1/68-6/30/69, RENEWAL, $53,050. SRS-CB

39B090  UNIVERSITY-AFFILIATED PROGRAM FOR THE MENTALLY RETARDED UNIVERSITY OF CINCINNATI, CINCINNATI
7/1/68-6/30/69, RENEWAL, $537,186. SRS-CB

CONSTRUCTION

39C005  COMMUNITY FACILITIES CONSTRUCTION, DEVELOPMENTAL CENTER, CLEVELAND
6/27/69, INITIAL, $608,000. SRS-DMR

39C010  COMMUNITY FACILITIES CONSTRUCTION, JEFFERSON COUNTY RETARDED CHILDREN'S SCHOOL, STEUBENVILLE
6/27/69, INITIAL, $247,498. SRS-DMR

39C015  COMMUNITY FACILITIES CONSTRUCTION, KNOX COUNTY TRAINING CENTER, MOUNT VERNON
6/27/69, INITIAL, $137,447. SRS-DMR

39C020  UNIVERSITY-AFFILIATED FACILITIES CONSTRUCTION THE OHIO STATE UNIVERSITY, COLUMBUS
1/28/69, INITIAL, $3,500,000. SRS-DMR

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CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

OCCUPATIONAL TRAINEESHIPS

40B005 DEVELOPING TRAINERS OF THE SEVERELY RETARDED, MR ENID STATE SCHOOL, OKLAHOMA CITY
7/1/69-6/30/70, INITIAL, $25,000, SRS-DMR

40B010 FIELD INSTRUCTION OF PHYSICAL THERAPY STUDENTS UNIVERSITY OF OKLAHOMA MEDICAL CENTER, OKLAHOMA CITY
9/1/68-8/31/69, RENEWAL, $24,295, SRS-DMR

40B015 FORMAL TRAINING FOR PATIENT CARE PERSONNEL MR PAULS VALLEY STATE SCHOOL, PAULS VALLEY
7/1/68-6/30/70, RENEWAL, $20,032, SRS-DMR

40B020 MENTAL RETARDATION TRAINEESHIP FOR DEAN LOCKWOOD, UNIVERSITY OF OKLAHOMA MEDICAL CENTER, OKLAHOMA CITY
FY 1969, RENEWAL, $5,460, SRS-P

40B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CENTRAL STATE COLLEGE, EDMOND
FY 1969, RENEWAL, $63,200, OE

40B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, OKLAHOMA CITY
FY 1969, RENEWAL, $13,949, SRS-DMR

40B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF TULSA, TULSA
FY 1969, RENEWAL, $31,400, OE

40B040 TRAINING FOR PROFESSIONAL AND NON-PROFESSIONAL PERSONNEL MR HISOM MEMORIAL CENTER, SAND SPRINGS
7/1/69-6/30/70, RENEWAL, $22,026, SRS-DMR

CONSTRUCTION

40C005 COMMUNITY FACILITIES CONSTRUCTION, CHILDREN'S MEDICAL CENTER, TULSA
6/30/69, INITIAL, $293,984, SRS-DMR

OTHER

40D005 CHILD STUDY CLINIC, TULSA CHILDREN'S MEDICAL CENTER STATE DEPARTMENT OF HEALTH, OKLAHOMA CITY
7/1/68-6/30/69, RENEWAL, $104,070, SRS-CB

40D010 FACILITY IMPROVEMENT GRANT CHICKASHA OPPORTUNITY WORKSHOP AND TRAINING CENTER, CHICKASHA
5/1/69-4/30/70, RENEWAL, $11,536, SRS-RSA

40D015 MR INITIAL STAFFING, CASADY SCHOOL, OKLAHOMA CITY
9/1/68-8/31/70, INITIAL, $16,881, SRS-DMR

40D020 MR INITIAL STAFFING, CHILDREN'S MEDICAL CENTER, TULSA
7/1/69-6/30/70, INITIAL, $57,925, SRS-DMR

40D023 TEACHING BASIC SKILLS TO THE SEVERELY RETARDED, ENID STATE SCHOOL, ENID
9/1/68-6/31/69, RENEWAL, $74,553, SRS-DMR

OREGON

TRAINING

41B005 CLINICAL INSTRUCTION: INSTITUTIONAL RESIDENTIAL UNITS MR FAIRVIEW HOSPITAL AND TRAINING CENTER, SALEM
7/1/69-6/30/70, INITIAL, $25,000, SRS-DMR

41B010 FIELD INSTRUCTION OF REHABILITATION STUDENTS UNIVERSITY OF OREGON, EUGENE
9/1/68-8/31/69, RENEWAL, $19,816, SRS-RSA

41B015 INSERVICE TRAINING FOR ALL INSTITUTION EMPLOYEES MR COLUMBIA PARK HOSPITAL AND TRAINING CENTER, THE DALLAS
7/1/69-6/30/70, RENEWAL, $24,347, SRS-DMR

41B020 MATERIAND AND CHILD HEALTH SERVICES TRAINING PORTLAND STATE COLLEGE, PORTLAND
7/1/68-6/30/69, RENEWAL, $45,230, SRS-CB

41B025 MENTAL RETARDATION TRAINING UNIVERSITY OF OREGON, PORTLAND
7/1/68-6/30/69, RENEWAL, $413,619, SRS-CB

41B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN OREGON COLLEGE OF EDUCATION, MONMOUTH
FY 1969, RENEWAL, $43,000, OE

41B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN PORTLAND STATE COLLEGE, PORTLAND
FY 1969, RENEWAL, $51,700, OE

41B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, SALEM
FY 1969, RENEWAL, $7,942, OE

41B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF OREGON, EUGENE
FY 1969, RENEWAL, $97,700, OE

41B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF OREGON MEDICAL SCHOOL, PORTLAND
6/1/69-8/31/70, INITIAL, $25,000, OE

41B055 REHABILITATION RESEARCH AND TRAINING CENTER UNIVERSITY OF OREGON, EUGENE
3/1/68-2/28/70, RENEWAL, $266,234, SRS-ORDT

41B060 TRAINEESHIPS IN MENTAL RETARDATION UNIVERSITY OF OREGON, EUGENE
9/1/68-8/31/69, RENEWAL, $34,191, SRS-RSA
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

OTHER

41D005 DOUGLAS FOUNDATION FOR RETARDED CHILDREN, ROSEBURG
5/15/69-5/31/70, INITIAL, $4,000, SRS-RSA

41D010 DOUGLAS FOUNDATION FOR RETARDED CHILDREN, ROSEBURG
6/29/69-6/28/70, INITIAL, $47,442, SRS-RSA

41D015 FACILITY IMPROVEMENT GRANT OPEN DOOR, INC., CORVALLIS
6/1/69-5/31/70, RENEWAL, $21,562, SRS-RSA

41D020 FACILITY IMPROVEMENT GRANT OPEN DOOR, INC., CORVALLIS
6/25/69-6/24/70, RENEWAL, $69,106, SRS-RSA

41D025 GENETICS STUDY, PORTLAND UNIVERSITY OF OREGON MEDICAL SCHOOL, PORTLAND
7/1/68-6/30/69, RENEWAL, $140,307, SRS-CB

41D030 METABOLIC DISORDER SCREENING, PORTLAND STATE BOARD OF HEALTH, PORTLAND
7/1/68-6/30/69, RENEWAL, $30,477, SRS-CB

41D035 MENTAL RETARDATION TRAINING UNIVERSITY OF PORTLAND, PORTLAND
FY 1969, INITIAL, $5,000, SRS-P

41D040 MR INITIAL STAFFING, BENTON ASSN. FOR RETARDED CHILDREN, CORVALLIS
7/1/68-6/30/70, INITIAL, $4,949, SRS-DMR

41D045 MR INITIAL STAFFING, CLACKAMAS CHALLENGE CENTER, INC., MULVIEK
9/1/69-8/31/70, INITIAL, $7,875, SRS-DMR

41D050 MR INITIAL STAFFING, CORVALLIS SCHOOL DISTRICT 509J, CORVALLIS
9/1/69-8/31/70, INITIAL, $23,391, SRS-DMR

41D055 MR INITIAL STAFFING, LANE COUNTY ASSN. FOR RETARDED CHILDREN, EUGENE
9/1/69-8/31/70, INITIAL, $14,231, SRS-DMR

41D060 MR INITIAL STAFFING, PORTLAND CHILDREN'S CENTER, PORTLAND
9/1/69-8/31/70, INITIAL, $7,920, SRS-DMR

41D065 MR INITIAL STAFFING, TIMMY EDUCATIONAL CENTER, PORTLAND
9/1/69-8/31/70, INITIAL, $13,695, SRS-DMR

41D070 MR INITIAL STAFFING, UNITED CENTRAL PALSY ASSN. OF NORTHWEST OREGON, INC., PORTLAND
9/1/69-8/31/70, INITIAL, $9,240, SRS-DMR

41D075 PREVENTION DIAGNOSIS AND MANAGEMENT OF MENTAL RETARDATION UNIVERSITY OF OREGON, EUGENE
FY 1969, INITIAL, $5,472, SRS-P

41D080 PROGRAMMING TO IMPROVE SOCIAL SKILLS OF RETARDED FAIRVIEW HOSPITAL AND TRAINING CENTER, SALEM
6/1/69-5/31/70, RENEWAL, $100,000, SRS-DMR

41D085 TRAINING ON MENTAL RETARDATION UNIVERSITY OF OREGON MEDICAL SCHOOL, PORTLAND
FY 1969, INITIAL, $10,260, SRS-P

Pennsylvania

Training

42B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BLOOMSBURG STATE COLLEGE, BLOOMSBURG
FY 1969, RENEWAL, $26,100, OE

42B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN CLARION STATE COLLEGE, CLARION
FY 1969, RENEWAL, $20,800, OE

42B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN DUQUESNE UNIVERSITY, PITTSBURGH
FY 1969, RENEWAL, $15,200, OE

42B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN EDINBORO STATE COLLEGE, EDINBORO
FY 1969, RENEWAL, $18,000, OE

42B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN LOCK HAVEN STATE COLLEGE, LOCK HAVEN
FY 1969, RENEWAL, $11,800, OE

42B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MANSFIELD STATE COLLEGE, MANSFIELD
FY 1969, RENEWAL, $18,000, OE

42B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MARYWOOD COLLEGE, SCRANTON
FY 1969, RENEWAL, $17,700, OE

42B040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MILLERSVILLE UNIVERSITY, MILLERSVILLE
FY 1969, RENEWAL, $47,600, OE

42B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK
FY 1969, RENEWAL, $95,200, OE

42B050 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SLIPPERY ROCK STATE COLLEGE, SLIPPERY ROCK
FY 1969, RENEWAL, $64,000, OE

42B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF PUBLIC INSTRUCTION, HARRISBURG
FY 1969, RENEWAL, $71,500, OE

42B060 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN TEMPLE UNIVERSITY, PHILADELPHIA
FY 1969, RENEWAL, $61,500, OE

42B065 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF PITTSPURGH, PITTSPURGH
FY 1969, RENEWAL, $37,100, OE

42B070 DEVELOP ATTENDANT LEADERS FOR INSTITUTIONS MR PENNhurst STATE SCHOOL AND HOSPITAL, SPRING CITY
7/1/69-6/30/70, RENEWAL, $18,607, SRS-DMR

42B075 DEVELOP INSERVICE TRAINING FOR ATTENDANT PERSONNEL MR EBSNURG STATE SCHOOL AND HOSPITAL, HARRISBURG
7/1/69-6/30/70, RENEWAL, $24,500, SRS-DMR

42B080 DEVELOPMENTAL CLINIC, PITTSBURGH, CHILDREN'S HOSPITAL AND STATE DEPARTMENT OF HEALTH, HARRISBURG
7/1/68-6/30/69, RENEWAL, $217,304, SRS-DMR

42B085 INSERVICE TRAINING FOR ATTENDANTS AND NURSING PERSONNEL MR LAURELTON STATE SCHOOL AND HOSPITAL, LAURELTON
7/1/69-6/30/70, RENEWAL, $7,288, SRS-DMR

42B090 INSERVICE TRAINING FOR CHILD CARE WORKERS MR WESTERN STATE SCHOOL AND HOSPITAL, CANONSBURG
7/1/69-6/30/70, RENEWAL, $5,985, SRS-DMR

42B095 INSERVICE TRAINING FOR ENTIRE STAFF MR THE CRESSON STATE SCHOOL AND HOSPITAL, CRESSON
7/1/69-6/30/70, RENEWAL, $20,150, SRS-DMR

42B100 INTERNSHIPS FOR REHABILITATION COUNSELING AND PSYCHOLOGY STUDENTS THE DEVEREUX FOUNDATION, DEVON
9/1/68-8/31/69, RENEWAL, $131,611, SRS-RA

42B105 PERSONNEL TRAINING FOR HANDICAPPED CHILDREN ST. CHRISTOPHER'S HOSPITAL, PHILADELPHIA
7/1/68-6/30/69, RENEWAL, $167,471, SRS-DMR

42B110 PROVISION OF COMPREHENSIVE CARE TO CHILDREN WITH HANDICAPPING, PHYSICAL, AND/OR MENTAL DEFICITS, CHILDREN'S HOSPITAL OF PHILADELPHIA STATE DEPARTMENT OF HEALTH, HARRISBURG
7/1/68-6/30/69, RENEWAL, $218,484, SRS-CB

42B115 SOCIAL WORK FELLOWSHIPS IN MENTAL RETARDATION BRYN MAWR COLLEGE, BRYN MAWR
7/1/68-6/30/69, RENEWAL, $70,100, SRS-DMR

42B120 TRAINING GRANT IN SUPPORT OF A CASEWORK UNIT IN MENTAL RETARDATION UNIVERSITY OF PITTSBURGH, PITTSPURGH
FY 1969, RENEWAL, $411,413, SRS-P

42B125 TRAINING SERVICES GRANT ELWYN INSTITUTE-REHABILITATION CENTER, ELWYN
3/15/69-3/14/70, RENEWAL, $210,147, SRS-RA
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

CONSTRUCTION

42C005 COMMUNITY FACILITIES CONSTRUCTION, LEHIGH VALLEY ARC, INC., ALLENTOWN
6/26/69, INITIAL, $117,947. SRS-DMR

OTHER

42D005 IMPROVEMENT OF PSYCHO-SENSORY HABILITATION SERVICES, PENN-PHIL STATE SCHOOL AND HOSPITAL, SPRING CITY
6/1/68-5/31/70, RENEWAL, $70,544. SRS-DMR

42D010 IMPROVING SELF-CONCEPT IN UNDIFFERENTIATED RETARDS, HAMBURG STATE SCHOOL AND HOSPITAL, HAMBURG
3/1/69-2/28/70, RENEWAL, $91,702. SRS-DMR

42D015 LYCOMING COUNTY SOCIETY FOR RETARDED CHILDREN WILLIAMSPORT
6/30/69-6/29/70, INITIAL, $6,570. SRS-RA

42D020 MR INITIAL STAFFING, ASSOCIATION FOR RETARDED CHILDREN, BARDICH
7/1/69-6/30/70, INITIAL, $77,917. SRS-DMR

42D025 MR INITIAL STAFFING, CARBON CO. CHAPTER OF THE PA. ASSN. FOR RETARDED CHILDREN, JIM THORPE
9/1/69-8/31/70, INITIAL, $9,075. SRS-DMR

42D030 MR INITIAL STAFFING, ERIE ASSN. FOR RETARDED CHILDREN, ERIE
10/1/69-9/30/70, INITIAL, $114,202. SRS-DMR

42D035 MR INITIAL STAFFING, EXCEPTIONAL CHILDREN'S DAY CARE CENTER, ST. MARY'S
7/1/69-6/30/70, INITIAL, $6,367. SRS-DMR

42D040 MR INITIAL STAFFING, JEFFERSON MEDICAL COLLEGE OF PHILADELPHIA, PHILADELPHIA
7/1/69-6/30/70, INITIAL, $118,635. SRS-DMR

42D045 MR INITIAL STAFFING, KENSINGTON DISPENSARY, INC., PHILADELPHIA
7/1/69-6/30/70, INITIAL, $10,170. SRS-DMR

42D050 MR INITIAL STAFFING, MCKEAN CO. ASSN. FOR RETARDED CHILDREN, INC., SMETHPORT
7/1/69-6/30/70, INITIAL, $8,419. SRS-DMR

42D055 MR INITIAL STAFFING, PHILADELPHIA ASSN. FOR RETARDED CHILDREN, PHILADELPHIA
7/1/69-6/30/70, INITIAL, $49,520. SRS-DMR

42D060 MR INITIAL STAFFING, ST. CHRISTOPHER'S HOSPITAL FOR CHILDREN, PHILADELPHIA
9/1/69-8/31/70, INITIAL, $29,833. SRS-DMR

42D065 MR INITIAL STAFFING, THE CONTRIBUTORS OF THE PA. HOSPITAL, PHILADELPHIA
1/1/69-10/31/70, INITIAL, $85,838. SRS-DMR

42D070 MR INITIAL STAFFING, UPSAL DAY SCHOOL FOR BLIND CHILDREN, PHILADELPHIA
9/1/69-8/31/70, INITIAL, $13,508. SRS-DMR

42D075 MR INITIAL STAFFING, WASHINGTON CO. CHAPTER PA. ASSN. FOR R.C., INC., WASHINGTON
9/1/69-8/31/70, INITIAL, $12,324. SRS-DMR

42D080 PSYCHO-SOCIAL TREATMENT UNIT, WHITE HAVEN STATE SCHOOL AND HOSPITAL, WHITE HAVEN
1/1/69-12/31/69, RENEWAL, $58,728. SRS-DMR

PUERTO RICO

TRAINING

43B045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN DEPARTMENT OF EDUCATION, HATO REY, SAN JUAN
7/1/69-6/30/70, RENEWAL, $128,699. SRS-DMR

OTHER

43D005 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS UNIVERSITY OF PUERTO RICO, RIO PIEDRAS, SAN JUAN
6/15/69-6/14/70, RENEWAL, $43,033. SRS-RA

43D045 MR INITIAL STAFFING, INSTIUTO PSICOPEDAGAGICO DE PUERTO RICO, SAN JUAN
7/1/69-6/30/70, INITIAL, $128,699. SRS-DMR

RHODE ISLAND

TRAINING

44B005 EMPLOY STAFF TO TRAIN ATTENDANTS IN COOPERATION WITH UNIV. OF R. I. DR. JOSEPH H. LADD SCHOOL, NORTH KINGSTOWN
7/1/69-6/30/70, RENEWAL, $25,000. SRS-DMR

44B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN RHODE ISLAND COLLEGE, PROVIDENCE
FY 1969, RENEWAL, $52,900. OE

44B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN RHODE ISLAND DEPARTMENT OF EDUCATION, PROVIDENCE
FY 1969, RENEWAL, $11,200. OE

44B020 2.60 ACRES LAND AND 2 BLDGS, AT NAVAL RESERVE TRAINING CENTER, CASS PARK, CLASSROOMS, INCLUDING TRAINING OF MENTALLY RETARDED, CITY OF WOONSOCKETTE 8/2/68 INITIAL, $44,300. OSPU

CONSTRUCTION

44C005 COMMUNITY FACILITIES CONSTRUCTION, J.A. TRUDEAU MEMORIAL CENTER, WINDSOR
6/30/69, INITIAL, $227,896. SRS-DMR

OTHER

44D003 CHILD DEVELOPMENT CENTER, RHODE ISLAND HOSPITAL, PROVIDENCE STATE DEPARTMENT OF HEALTH, PROVIDENCE
7/1/68-6/30/69, RENEWAL, $290,183. SRS-CB

44D010 DENTAL CARE PROGRAM FOR RETARDED CHILDREN, SAMUELS DENTAL CLINIC FOR CHILDREN, PROVIDENCE STATE DEPARTMENT OF HEALTH, PROVIDENCE
7/1/68-6/30/69, RENEWAL, $53,500. SRS-CB

44D015 MR INITIAL STAFFING, GREATER PROVIDENCE CHAPTER, R.I. ASSN. FOR R.C., PROVIDENCE
9/1/69-8/31/70, INITIAL, $35,801. SRS-DMR

44D020 REGIONAL DAY CARE CENTER DEMONSTRATION PROJECT RHODE ISLAND DEPARTMENT OF HEALTH, PROVIDENCE
FY 1969, INITIAL, $79,769. SRS-P

SOUTH CAROLINA

TRAINING

45B005 DMR INDIVIDUAL TRAINEESHIP-WILLIAM WARD UNIVERSITY OF SOUTH CAROLINA, COLUMBIA
FY 1969, INITIAL, $4,612. SRS-P

45B010 DMR INDIVIDUAL TRAINEESHIP-WILLIAM H. GOLDMAN UNIVERSITY OF SOUTH CAROLINA, COLUMBIA
FY 1969, INITIAL, $8,905. SRS-P

45B015 INSERVICE TRAINING FOR ATTENDANT PERSONNEL MR PINELAND STATE TRAINING SCHOOL AND HOSPITAL, COLUMBIA
7/1/69-6/30/70, RENEWAL, $25,000. SRS-DMR

45B020 INSERVICE TRAINING FOR PATIENT CARE PERSONNEL MR SOUTH CAROLINA RETARDED CHILDREN'S HABILITATION CENTER, LADSON
7/1/69-6/30/70, RENEWAL, $23,487. SRS-DMR
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

SOUTH DAKOTA

TRAINING

46B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN AUGUSTANA COLLEGE, SIoux FALLS FY 1969, RENEWAL, $12,400, OE

46B010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BLACK HILLS, SPEARFISH FY 1969, RENEWAL, $14,900, OE

46B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN NORTHERN STATE COLLEGE, ABERDEEN 6/1/69-8/31/70, INITIAL, $8,400, OE

46B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN DEPARTMENT OF PUBLIC INSTRUCTION, PIERRE FY 1969, RENEWAL, $16,600, OE

46B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF SOUTH DAKOTA, VERMILLION FY 1969, RENEWAL, $31,100, OE

OTHER

46D005 FACILITY IMPROVEMENT GRANT BLACK HILLS WORKSHOP SCHOOL, RAPID CITY 6/25/69-6/24/70, RENEWAL, $28,960, SRS-DMR

46D010 MR INITIAL STAFFING, SIOUX VOCATIONAL SCHOOL FOR THE HANDICAPPED, SIoux FALLS 7/1/69-6/30/70, INITIAL, $15,600, SRS-DMR

46D015 POTENTIALS DEVELOPMENT FOR INDEPENDENT LIVING, KEFDIELD STATE HOSPITAL AND SCHOOL, REDFIELD 9/1/69-6/30/69, RENEWAL, $98,068, SRS-DMR

TENNESSEE

TRAINING

47B005 CHILD DEVELOPMENT CENTER UNIVERSITY OF TENNESSEE, MEMPHIS 7/1/68-6/30/69, RENEWAL, $578,336, SRS-CB

47B010 DIAGNOSTIC AND TRAINING LABORATORY IN MENTAL RETARDATION MEHARRY MEDICAL COLLEGE, NASHVILLE 1/1/69-12/31/69, RENEWAL, $114,718 SRS-CB

47B015 GENETICS LABORATORY UNIVERSITY OF TENNESSEE, MEMPHIS 7/1/68-6/30/69, RENEWAL, $58,982, SRS-CB

47B020 MENTAL RETARDATION INDIVIDUAL TRAINERSHIP UNIVERSITY OF TENNESSEE, NASHVILLE FY 1969, INITIAL, $3,633, SRS-DMR

47B025 MENTAL RETARDATION TRAINING FOR GRADUATE PSYCHOLOGY STUDENTS MEMPHIS STATE UNIVERSITY, MEMPHIS FY 1969, RENEWAL, $75,002. SRS-P

47B030 MENTAL RETARDATION TRAINERSHIP FOR DR. WILLIAM MCCOLLUM MEHARRY MEDICAL SCHOOL, NASHVILLE FY 1969, INITIAL, $11,880. SRS-P

47B035 IMPROVE TRAINING FOR ATTENDANT PERSONNEL MR CLOVER BOTTOM HOSPITAL AND SCHOOL, DONELSON 7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR

47B040 INSERVICE TRAINING FOR ALL DIRECT CARE EMPLOYEES MR GREENE VALLEY HOSPITAL AND SCHOOL, GREENEVILLE 7/1/68-8/31/69, RENEWAL, $23,425 SRS-DMR

47B045 INSERVICE TRAINING - INITIAL COMPREHENSIVE PROGRAM MR ARLINGTON HOSPITAL AND SCHOOL, ARLINGTON 7/1/69-6/30/70, INITIAL, $20,771, SRS-DMR

47B050 POSTGRADUATE TRAINING IN CHILDREN'S DENTISTRY UNIVERSITY OF TENNESSEE, MEMPHIS 7/1/68-6/30/69, RENEWAL, $107,018 SRS-CB

47B055 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN GEORGE PEABODY COLLEGE, NASHVILLE FY 1969, RENEWAL, $76,600, OE

47B060 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MEMPHIS STATE UNIVERSITY, MEMPHIS FY 1969, RENEWAL, $32,000, OE

47B065 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, MEMPHIS FY 1969, RENEWAL, $37,179, SRS-CB
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

TEXAS

TRAINING

48B005 ACADEMIC PEDIATRICS UNIVERSITY OF TEXAS, GALVESTON 7/69-6/70, FY 1969, INITIAL, $45,144, NICHD

48B010 DIAGNOSTIC AND EVALUATION CENTER FOR MENTALLY RETARDED CHILDREN UNIVERSITY OF TEXAS, DALLAS 7/68-6/30/69, RENEWAL, $163,465, SRS-CB

48B015 EDUCATION PROGRAM FOR ALL RESIDENTIAL COUNSELORS MR RICHMOND STATE SCHOOL, RICHMOND 7/69-6/30/70, RENEWAL, $24,050, SRS-SMR

48B020 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS UNIVERSITY OF TEXAS, AUSTIN 9/1-8/31/69, RENEWAL, $28,301, SRS-RSA

48B025 GRADUATE SOCIAL WORK STUDENT TRAINING PROJECT MENTAL RETARDATION WORDEN SCHOOL OF SOCIAL SERVICE, SAN ANTONIO FY 1969, RENEWAL, $97,604, SRS-P

48B030 IMPROVE INSERVICE TRAINING PROGRAM IN MENTAL RETARDATION WORDEN SCHOOL OF SOCIAL SERVICE, DENTON 7/69-6/30/70, RENEWAL, $22,389, SRS-SMR

48B035 INSERVICE TRAINING FOR ALL LEVELS OF ATTENDANT PERSONNEL MR ABILENE STATE SCHOOL, ABILENE 7/69-6/30/70, RENEWAL, $25,000, SRS-SMR

48B040 INSERVICE TRAINING FOR ALL STAFF PERSONNEL MR MEXIA STATE SCHOOL, MEXIA 7/68-7/31/70, RENEWAL, $24,673, SRS-SMR

48B045 INSERVICE TRAINING MATERIALS DEVELOPMENT PROJECT MR AUSTIN STATE SCHOOL, AUSTIN 7/69-6/30/70, INITIAL, MR05127-01, $21,223, SRS-SMR

48B050 INSERVICE TRAINING PROGRAM FOR ATTENDANT PERSONNEL MR TRAVIS STATE SCHOOL, AUSTIN 7/68-6/30/70, RENEWAL, MR05125-06, $23,700, SRS-SMR

48B055 MENTAL EVALUATION CLINIC BAYLOR UNIVERSITY, HOUSTON 7/68-6/30/69, RENEWAL, $321,617, SRS-CB

48B060 MENTAL RETARDATION TRAININGSHIP FOR ALBERT M TATE, DDS BAYLOR UNIVERSITY COLLEGE OF DENTISTRY, DALLAS FY 1969, INITIAL, $8,338, SRS-P

48B065 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN EAST TEXAS STATE UNIVERSITY, COMMERCE FY 1969, RENEWAL, $20,200, OE

48B070 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN IN THE CLEVELAND COUNTY SCHOOL DISTRICT, CLEVELAND FY 1969, RENEWAL, $19,700, OE

48B075 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN LAMAR STATE COLLEGE OF TECHNOLOGY, BEAUMONT FY 1969, RENEWAL, $11,800, OE

48B080 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN MIDWESTERN UNIVERSITY, WICHITA FALLS 6/69-8/31/70, INITIAL, $19,050, OE

48B085 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN PRAIRIE VIEW A.E.M., PRAIRIE VIEW 7/69, RENEWAL, $30,000, OE

48B090 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SOUTHWEST TEXAS STATE COLLEGE, SAN MARCOS 6/69-8/31/70, INITIAL, $14,000, OE

48B095 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN SOUTHWEST TEXAS STATE COLLEGE OF TECHNOLOGY, LUBBOCK FY 1969, RENEWAL, $35,700, OE

48B100 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN TEXAS STATE UNIVERSITY, DENTON 7/69, RENEWAL, $41,700, OE

OTHER

47D005 COMMUNITY FACILITIES CONSTRUCTION, ANDERSON COUNTY TRAINING CENTER AND WORKSHOP, OAK RIDGE 6/27/69, INITIAL, $31,508, SRS-DMR

47D005 COMMUNITY CARE CENTER PROGRAM METROPOLITAN HEALTH DEPARTMENT, NASHVILLE FY 1969, RENEWAL, $31,457, SRS-P

47D010 DIAGNOSTIC AND DEMONSTRATION CLINIC IN MENTAL RETARDATION MEHARRY MEDICAL COLLEGE, NASHVILLE FY 1969, RENEWAL, $97,965, SRS-P

47D015 ENVIRONMENTAL SERVICES SEVERELY RETARDED-NON AMBULATORY CLOVER BOTTOM HOSPITAL-SCHOOL, DONELSON FY 1969, RENEWAL, $77,452, SRS-P

47D020 INTENSIVE TRAINING IN BASIC SELF-CARE AND SOCIAL SKILLS CLOVER BOTTOM HOSPITAL AND SCHOOL, DONELSON 9/1-8/31/69, RENEWAL, $58,326, SRS-DMR

47D025 MR INITIAL STAFFING, CLOVER BOTTOM HOSPITAL AND SCHOOL, DONELSON 10/1-6/30/70, INITIAL, $33,825, SRS-DMR

47D030 MR INITIAL STAFFING, CORDELL HULL ECONOMIC OPPORTUNITY CORP., LAFAYETTE 7/1-6/30/70, INITIAL, $127,022, SRS-DMR

47D035 MR INITIAL STAFFING, DAWN OF HOPE DEVELOPMENT CENTER, INC., JOHNSON CITY 7/1-6/30/70, INITIAL, $36,786, SRS-DMR

47D040 MR INITIAL STAFFING, DE KALB COUNTY BOARD OF EDUCATION, SMITHVILLE 7/1-6/30/70, INITIAL, $42,685, SRS-DMR

47D045 MR INITIAL STAFFING, JACOB DAY CARE CENTER, JACKSON 7/1-6/30/70, INITIAL, $23,135, SRS-DMR

47D050 MR INITIAL STAFFING, ORANGE GROVE CENTER FOR THE RETARDED, INC., CHATTANOOGA 8/1-7/31/70, INITIAL, $40,500, SRS-DMR

47D055 MR INITIAL STAFFING, ST. PAUL'S LUTHERAN CHURCH DAY CARE CENTER, NASHVILLE 7/1-6/30/70, INITIAL, $39,649, SRS-DMR

47D060 MR INITIAL STAFFING, TEAM EVALUATION CENTER, INC., CHATTANOOGA 7/1-6/30/70, INITIAL, $12,735, SRS-DMR

47D065 ORANGE GROVE CENTER FOR THE RETARDED, INC., CHATTANOOGA 5/26/69, INITIAL, $332,654, HSMHA-HFPCS

47D070 TRAINING FOR OLDER SEVERELY AND PROFOUNDLY RETARDED, GREENE VALLEY HOSPITAL AND SCHOOL, NASHVILLE 2/1-6/30/71, INITIAL, $97,287, SRS-DMR

47D075 TEAM EVALUATION CENTER FOR THE MULTIPLE HANDICAPPED STATE DEPARTMENT OF PUBLIC HEALTH, NASHVILLE 7/1-6/30/69, RENEWAL, $86,925, SRS-CB
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

48D010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF HOUSTON, HOUSTON FY 1969, RENEWAL, $33,900

48D015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF TEXAS, AUSTIN FY 1969, RENEWAL, $100,500

48D020 REHABILITATION RESEARCH AND TRAINING CENTER UNIVERSITY OF TEXAS, AUSTIN 5/1/69-4/30/70, RENEWAL, $134,052

48D025 THE RELATION OF GENETIC STUDIES TO CHILDREN WITH MENTAL RETARDATION UNIVERSITY OF TEXAS, GALVESTON 7/1/68-6/30/69, RENEWAL, $78,277

48D030 THE TRAINING OF GRADUATE STUDENTS IN THE CARE OF HANDICAPPED CHILDREN BAYLOR UNIVERSITY, DALLAS 7/1/68-6/30/69, RENEWAL, $45,993

48D035 TRAINING IN COMPREHENSIVE HEALTH SERVICES FOR CHILDREN UNIVERSITY OF TEXAS, DALLAS 7/1/68-6/30/69, RENEWAL, $89,584

48D040 TRAINING IN INTERDISCIPLINARY COMPREHENSIVE CHILD HEALTH SERVICES FOR THE HANDICAPPED UNIVERSITY OF TEXAS, GALVESTON 7/1/68-6/30/69, RENEWAL, $128,417

48D045 TRAINING OF ATTENDANT AND SUPERVISORY PERSONNEL MR. LUFKIN STATE SCHOOL, LUFKIN 7/1/69-6/30/70, RENEWAL, $21,268

CONSTRUCTION

48C005 COMMUNITY FACILITIES CONSTRUCTION, MARY LEE SCHOOL OF SPECIAL EDUCATION, AUSTIN 6/27/69, INITIAL, $95,872

48C010 COMMUNITY FACILITIES CONSTRUCTION, RICHMOND STATE SCHOOL, RICHMOND 6/30/69, INITIAL, $175,131

48C015 COMMUNITY FACILITIES CONSTRUCTION, ST. JOSEPHS HOSPITAL, EL PASO 2/24/69, INITIAL, $345,730

OTHER

48D005 CHILD DEVELOPMENT AND TRAINING SERVICE, DENTON STATE SCHOOL, DENTON 6/1/69-5/31/70, RENEWAL, $84,949

48D010 COMMUNITY APPROACH IN MANAGEMENT OF DENTAL DISEASE RETARDED HARRIS COUNTY CENTER FOR RETARDED, HOUSTON FY 1969, RENEWAL, $50,167

48D015 COOPERATIVE REGIONAL APPROACH TO DAY CARE PROGRAMS TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION, AUSTIN FY 1969, RENEWAL, $72,588

48D020 DEMONSTRATION PROJECT TO FOSTER PHYSICAL EDUCATION AND RECREATION PROGRAM FOR MENTALLY RETARDED TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION, AUSTIN FY 1969, INITIAL, $72,107

48D025 DEVELOP INFORMATION-EDUCATION AND REFERRAL SERVICE FOR STATE TEXAS DEPARTMENT OF MENTAL HEALTH-RETARDATION, AUSTIN FY 1969, RENEWAL, $81,521

48D030 DEVELOPMENTAL RECREATION PROGRAM FOR MENTAL RETARDEES ABBILENE STATE SCHOOL, ABBILENE FY 1969, RENEWAL, $82,717

48D035 FACILITY IMPROVEMENT GRANT HARRIS COUNTY CENTER FOR THE RETARDED, INC., HOUSTON 4/1/69-3/31/70, RENEWAL, $19,451

48D040 IMPROVE AND EXPAND DIAGNOSTIC EVALUATION AND PREVENTIVE SERVICES FOR MENTALLY RETARDED CHILDREN INCARNATE WORD COLLEGE, SAN ANTONIO FY 1969, RENEWAL, $78,040

48D045 INTENSIVE SOCIALIZATION PROGRAM FOR MILDLY RETARDED, AUSTIN STATE SCHOOL, AUSTIN 6/1/69-5/31/70, RENEWAL, $89,425

48D050 LUFKIN COUNCIL FOR RETARDED CHILDREN LUFKIN 10/1/68-9/30/69, INITIAL, $3,780

48D055 MR INITIAL STAFFING, BAYTOWN OPPORTUNITY CENTER, BAYTOWN 11/1/68-10/31/70, INITIAL, $16,470

48D060 MR INITIAL STAFFING, DALLAS COUNTY M.H. AND MR CENTER, DALLAS 1/1/69-3/31/70, INITIAL, $17,629

48D065 MR INITIAL STAFFING, DALLAS REHABILITATION INSTITUTE, DALLAS 9/1/69-8/31/70, INITIAL, $71,100

48D070 MR INITIAL STAFFING, GREATER TXARKANA MENTAL HEALTH ASSN., INC., TXARKANA 2/7/69-12/31/70, INITIAL, $70,529

48D075 MR INITIAL STAFFING, HARRIS COUNTY CENTER FOR THE RETARDED, INC., HOUSTON 9/1/69-3/31/70, INITIAL, $53,344

48D080 MR INITIAL STAFFING, RICHMOND STATE SCHOOL, RICHMOND 9/1/69-8/31/70, INITIAL, $34,308

48D085 MR INITIAL STAFFING, SOUTH TEXAS REGIONAL WSHPS, INC., LUFKIN 6/15/69-6/14/70, INITIAL, $92,450

48D090 MR INITIAL STAFFING, UNIVERSITY OF TEXAS, AUSTIN 9/1/69-3/31/70, INITIAL, $15,870

48D095 MR INITIAL STAFFING, MARBIDGE FOUND. FOR RETARDED CHILDREN, INC., AUSTIN 9/1/69-8/31/70, INITIAL, $12,375

48D100 MR INITIAL STAFFING, MARY LEE SCH. OF SPECIAL EDUCATION, AUSTIN 10/1/69-9/30/70, INITIAL, $40,129

48D105 MR INITIAL STAFFING, SMITHWOOD CO. CTR. FOR M.H. AND MR SERVICES, TYLER 11/1/69-10/31/70, INITIAL, $47,348

48D110 MR INITIAL STAFFING, SOUTH TEXAS REGIONAL WSHPS, INC., LUFKIN 12/1/68-11/30/69, RENEWAL, $47,348

48D115 MR INITIAL STAFFING, ST. ANTHONY'S SPECIAL EDUCATION SCHOOL, SAN ANTONIO 8/1/69-7/31/70, INITIAL, $32,830

48D120 MR INITIAL STAFFING, WACO-MC LENNAN CO. M.H.-MR CENTER, WACO 9/1/68-3/31/70, INITIAL, $42,277

48D125 PHYSICAL DEVELOPMENT PROGRAM FOR MENTAL RETARDES ABBILENE STATE SCHOOL, ABBILENE 9/1/69-8/31/70, RENEWAL, $54,148

48D130 PHYSICAL DEVELOPMENT PROGRAM SEMI-AMBULANT RETARDED, RICHMOND STATE SCHOOL, RICHMOND 6/1/69-5/31/70, NEW, $79,590

48D135 REHABILITATION OF INTRACTABLE DEFECTIVE DELINQUENTS, MEXIA STATE SCHOOL, MEXIA 6/15/69-6/14/70, NEW, SRS-DMR

48D140 RESIDENT TRAINING PROJECT, LUFKIN STATE SCHOOL, LUFKIN 12/1/68-11/30/69, RENEWAL, $100,000

48D145 SOCIAL DEVELOPMENT PROGRAM FOR MENTAL RETARDES, ABBILENE STATE SCHOOL, ABBILENE 9/1/69-8/31/69, RENEWAL, $51,552

48D150 UNIT APPROACH TO INSTITUTIONAL PROGRAMMING, TRAVIS STATE SCHOOL, AUSTIN 6/15/69-6/14/70, NEW, $100,000

UTAH

TRAINING

49B005 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS UNIVERSITY OF UTAH, UTAH 4/30/69, RENEWAL, $27,723

49B010 INSERVICE TRAINING FOR ATTENDANT PERSONNEL MR. UTAH STATE TRAINING SCHOOL, AMERICAN FORK 7/1/69-6/30/70, RENEWAL, $24,450

49B015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN BRIGHAM
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

YOUNG UNIVERSITY, PROVO
FY 1969, RENEWAL, $19,600. OE

TRAINING
49B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN OFFICE OF THE STATE SUPERINTENDENT OF PUBLIC INSTRUCTION, SALT LAKE CITY
FY 1969, RENEWAL, $12,300. OE

49B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UNIVERSITY OF UTAH, SALT LAKE CITY
FY 1969, RENEWAL, $82,200. OE

49B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN UTAH STATE UNIVERSITY OF AGRICULTURE APPLIED SCIENCES, LOGAN
FY 1969, RENEWAL, $17,100. OE

CONSTRUCTION
49C005 COMMUNITY FACILITIES CONSTRUCTION, UTAH STATE TRAINING SCHOOL, AMERICAN FORK
6/30/69, INITIAL, $109,768. SRS-DMR

OTHER
49D005 INTENSIVE HABIT-TRAINING CENTER, UTAH STATE TRAINING SCHOOL, AMERICAN FORK
3/1/69-2/28/70, RENEWAL, $90,216. SRS-DMR

49D010 MR INITIAL STAFFING, GRANITE SCHOOL DISTRICT, SALT LAKE CITY
9/1/69-8/31/70, INITIAL, $17,175, SRS-DMR

49D015 MR INITIAL STAFFING, HOLLADAY CHILDREN'S CENTER, INC., SALT LAKE CITY
7/1/69-6/30/70, INITIAL, $9,398, SRS-DMR

49D020 MR INITIAL STAFFING, UTAH VALLEY CARE AND TRAINING CENTER, PROVO
7/1/69-6/30/70, INITIAL, $9,515, SRS-DMR

VERMONT

TRAINING
50B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE DEPARTMENT OF EDUCATION, MONTPELIER
FY 1969, RENEWAL, $23,400. OE

50B010 STAFF DEVELOPMENT TRAINING PROGRAM MR BRANDON TRAINING SCHOOL, BRANDON
7/1/69-6/30/70, INITIAL, $22,572, SRS-DMR

CONSTRUCTION
50C005 VERMONT SHELTERED WORKSHOP MONTPELIER
FY 1969, INITIAL, $27,082. SRS RSA

OTHER
50D005 HEALTH-CARE AND REHABILITATION SERVICES OF SOUTHEASTERN VERMONT WEST DOVER
4/1/69-3/31/70, INITIAL, $4,500. SRS RSA

50D010 MR INITIAL STAFFING, RUTLAND MENTAL HEALTH SERVICE, INC., RUTLAND
7/1/69-6/30/70, INITIAL, $12,000, SRS-DMR

50D015 PHYSICAL THERAPY AND RECREATIONAL THERAPY IMPROVEMENT, BRANDON TRAINING SCHOOL, BRANDON
6/1/69-5/31/70, RENEWAL, $51,842, SRS-DMR

50D020 TERMINAL EMPLOYMENT IN A RESIDENTIAL SHELTERED WORKSHOP, BRANDON TRAINING SCHOOL, BRANDON
6/1/69-5/31/70, RENEWAL, $19,673, SRS-DMR

50D025 VOLUNTEER SERVICES PROJECT, BRANDON TRAINING SCHOOL, BRANDON
6/1/69-5/31/70, RENEWAL, $17,289, SRS-DMR

VIRGINIA

TRAINING
51B005 EXPAND NURSING SERVICE STAFF DEVELOPMENT PROGRAM MR LYNCHBURG TRAINING SCHOOL AND HOSPITAL, LYNCHBURG
7/1/69-6/30/70, RENEWAL, $15,565. SRS-DMR

51B010 INSERVICE TRAINING FOR ATTENDANT PERSONNEL, MR PETERSBURG TRAINING SCHOOL, PETERSBURG
7/1/69-6/30/70, INITIAL, $25,000. SRS-DMR

51B015 SOCIAL WORK-MENTAL RETARDATION VIRGINIA COMMONWEALTH UNIVERSITY, RICHMOND
FY 1969, RENEWAL, $23,493. SRS-MH

CONSTRUCTION
51C005 COMMUNITY FACILITIES CONSTRUCTION, WOODROW WILSON REHABILITATION CENTER, FISHERVILLE
3/69, INITIAL, $190,094. SRS-DMR

51C010 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN COLLEGE OF WILLIAM AND MARY, WILLIAMSBURG
6/1/69-8/31/70, INITIAL, $2,000. OE

51C015 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN OLD DIMINION, NORFOLK
FY 1969, RENEWAL, $31,400. OE

51C020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN RADFORD COLLEGE, RADFORD
FY 1969, RENEWAL, $14,900. OE

51C025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN STATE BOARD OF EDUCATION, RICHMOND
FY 1969, RENEWAL, $46,975. OE

51C030 PREPARATION OF PROFESSIONAL PERSONNEL OF THE EDUCATION OF HANDICAPPED CHILDREN VIRGINIA COMMONWEALTH UNIVERSITY, RICHMOND
FY 1969, RENEWAL, $42,500. OE

51C035 PREPARATION OF PROFESSIONAL PERSONNEL OF THE EDUCATION OF HANDICAPPED CHILDREN VIRGINIA COMMONWEALTH UNIVERSITY, CHARLOTTESVILLE
FY 1969, RENEWAL, $42,500. OE

51C040 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN VIRGINIA STATE COLLEGE, NORFOLK
FY 1969, RENEWAL, $25,722. OE

51C045 PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN VIRGINIA STATE COLLEGE, PETERSBURG
FY 1969, RENEWAL, $20,500. OE

OTHER
51D005 CHILD EVALUATION CLINIC, NORFOLK STATE DEPARTMENT OF HEALTH, RICHMOND
7/1/68-6/30/69, RENEWAL, $12,985. SRS-CB

51D010 CHILDREN'S MULTIPLE HANDICAPPED DIAGNOSTIC AND TREATMENT EVALUATION CENTER, UNIVERSITY OF VIRGINIA, CHARLOTTESVILLE STATE DEPARTMENT OF HEALTH, RICHMOND 7/1/68-6/30/69, RENEWAL, $211,030. SRS-CB

51D015 CONSULTATION AND EVALUATION CLINIC, RICHMOND STATE DEPARTMENT OF HEALTH, RICHMOND 7/1/68-6/30/69, RENEWAL, $137,301. SRS-CB

51D020 CONSULTATION AND EVALUATION CLINIC, ROANOKE STATE DEPARTMENT OF HEALTH, RICHMOND 7/1/68-6/30/69, RENEWAL, $90,216. SRS-CB

51D025 DAY CARE CENTER MENTALLY RETARDED CHILDREN AND ADULTS TIDEMARKS ASSOCIATION FOR RETARDED CHILDREN, NORFOLK
FY 1969, INITIAL, $68,544. SRS-P

51D030 DEMONSTRATION DAYTIME DEVELOPMENT CENTER PROJECT SUBURBAN COMMUNITY FAIRFAX COUNTY HEALTH DEPARTMENT, FAIRFAX
FY 1969, RENEWAL, $48,344. SRS-P

51D035 FACILITY IMPROVEMENT GRANT SHELTERED
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

WORKSHOP OF LYNCHBURG, INC., LYNCHBURG
11/1/69-12/31/69, RENEWAL, $4,800, SRS-RSA
S1D040 HIP PRE-VOCATIONAL TRAINING, LYNCHBURG
TRAINING SCHOOL AND HOSPITAL, LYNCHBURG
2/1/69-1/31/70, RENEWAL, $39,407, SRS-DMR
S1D045 HIP RECREATIONAL DEPARTMENT, LYNCHBURG
TRAINING SCHOOL AND HOSPITAL, LYNCHBURG
2/1/69-1/31/70, RENEWAL, $47,370, SRS-DMR
S1D050 MENTAL RETARDATION CHILDREN'S CLINIC,
ARLINGTON STATE DEPARTMENT OF HEALTH,
RICHMOND
7/1/68-6/30/69, RENEWAL, $24,318, SRS-CB
S1D055 MR INITIAL STAFFING, PENINSULA ASSN.
FOR RETARDED CHILDREN, HAMPTON
9/1/69-6/31/70, INITIAL, $34,103, SRS-DMR
S1D060 SHELTERED OCCUPATIONAL CENTER OF NORTHERN
VIRGINIA ARLINGTON
9/1/68-6/30/69, INITIAL, $13,007, SRS-RA
S1D065 SOCIAL SERVICE COUNCIL, WINCHESTER
3/1/69-2/28/70, INITIAL, $2,250, SRS-RA

VIRGIN ISLANDS

TRAINING

S2B005 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN VIRGIN
ISLANDS DEPARTMENT OF EDUCATION, CHARLOTTE
AMALIE
FY 1969, RENEWAL, $5,300, OE

WASHINGTON

TRAINING

S3B005 COMPREHENSIVE TRAINING IN MENTAL
RETARDATION AND CHILD DEVELOPMENT
UNIVERSITY OF WASHINGTON, SEATTLE
7/1/68-6/30/69, RENEWAL, $652,015, SRS-CB
S3B010 FIELD INSTRUCTION OF SOCIAL WORK STUDENTS
UNIVERSITY OF WASHINGTON, SEATTLE
6/1/69-5/31/70, RENEWAL, $33,084, SRS-RA
S3B015 INSERVICE TRAINING FOR ATTENDANT COUNSELORS
AND OTHER STAFF, MR, RAINIER SCHOOL, BUCKLEY
7/1/69-6/30/70, RENEWAL, $17,012, SRS-DMR
S3B020 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN CENTRAL
WASHINGTON STATE COLLEGE, ELLensburg
FY 1969, RENEWAL, $47,300, OE
S3B025 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
STATE DEPARTMENT OF PUBLIC INSTRUCTION, OLYMPIA
FY 1969, RENEWAL, $23,400, OE
S3B030 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN
UNIVERSITY OF WASHINGTON, SEATTLE
FY 1969, RENEWAL, $42,400, OE
S3B035 PREPARATION OF PROFESSIONAL PERSONNEL IN THE
EDUCATION OF HANDICAPPED CHILDREN WESTERN
WASHINGTON STATE COLLEGE, BILLINGHAM
FY 1969, RENEWAL, $5,900, OE
S3B040 TRAINING FOR ATTENDANT AND PROFESSIONAL
STAFF, MR YAKIMA VALLEY SCHOOL, SELAH
7/1/69-6/30/70, RENEWAL, $24,994, SRS-DMR
S3B045 TRAINING FOR NURSES IN MENTAL RETARDATION
UNIVERSITY OF WASHINGTON
7/1/68-6/30/69, RENEWAL, $90,960, SRS-CB
S3B050 TRAINING FOR ATTENDANT PERSONNEL
MR FIRCREST SCHOOL, SEATTLE
7/1/69-6/30/70, RENEWAL, $25,000, SRS-DMR
S3B055 TRAINING FOR SUPERVISING AND ATTENDANT
PERSONNEL, MR LAKELAND VILLAGE, MEDICAL
LAKE
7/1/69-6/30/70, RENEWAL, $20,227, SRS-DMR
S3B060 10 ACRES AT NORTHWEST RELAY AND RADIO
STATION, LYNNWOOD- SPECIAL SERVICES CENTER
FOR MENTALLY RETARDED AND HANDICAPPED
(CONVEYED UNDER DEFERRED USE PLAN, EDMONDS
SCHOOL DISTRICT 13)
2/10/69 INITIAL, $60,000, OSPU

CONSTRUCTION

S3C005 COMMUNITY FACILITIES CONSTRUCTION, ANTONIAN
SCHOOL FOR THE SPECIAL CHILD, SPOKANE
6/30/69, INITIAL, $45,000, SRS-DMR
S3C010 COMMUNITY FACILITIES CONSTRUCTION, MERRY
GLEN HOME AND SCHOOL, SPOKANE
6/30/69, INITIAL, $44,955, SRS-DMR
S3C015 COMMUNITY FACILITIES CONSTRUCTION, SPOKANE
LEAGUE FOR GROUP HOMES, SPOKANE
6/30/69, INITIAL, $45,000, SRS-DMR
S3C020 COMMUNITY FACILITIES CONSTRUCTION, VICTORIA
RANCH, INC., STANWOOD
6/30/69, INITIAL, $67,500, SRS-DMR

OTHER

S3D005 A VOCATIONAL TRAINING PROGRAM FOR MENTALLY
RETARDED, LAKELAND VILLAGE, MEDICAL LAKE
6/25/69-5/31/70, INITIAL, $90,076, SRS-DMR
S3D010 AN OPERANT CONDITIONING EDUCATION AND
TRAINING UNIT, RAINIER SCHOOL, BUCKLEY
6/1/69-5/31/70, RENEWAL, $100,000, SRS-DMR
S3D015 CLINIC FOR CHILD STUDY, UNIVERSITY OF
WASHINGTON, SEATTLE STATE DEPARTMENT OF
HEALTH, OLYMPIA
7/1/68-6/30/69, RENEWAL, $116,961, SRS-CB
S3D020 DEVELOPMENTAL TRAINING FOR THE SEVERELY
RETARDED, YAKIMA VALLEY SCHOOL, SELAH
7/1/69-5/31/70, RENEWAL, $95,842, SRS-DMR
S3D025 EVALUATION AND PLANNING TEAM, FIRCREST
SCHOOL, SEATTLE
6/1/69-5/31/70, RENEWAL, $100,000, SRS-DMR
S3D030 FACILITY IMPROVEMENT GRANT NORTHWEST CENTER
FOR THE RETARDED, SEATTLE
12/1/68-11/30/69, RENEWAL, $21,950, SRS-RSA
S3D035 FACILITY IMPROVEMENT GRANT OLYMPIC PENINSULA
ENTERPRISES, INC., BREMERTON
5/1/69-4/30/70, RENEWAL, $19,222, SRS-RSA
S3D040 FACILITY IMPROVEMENT GRANT SUPERVISED
OCUPATIONAL ENTERPRISES, INC., SPOKANE
6/1/69-5/31/70, RENEWAL, $16,610, SRS-RSA
S3D045 MR INITIAL STAFFING, CLALLAM COUNTY
HOSTELRIES, INC., PORT ANGELES
9/1/69-8/31/70, INITIAL, $12,090, SRS-DMR
S3D050 MR INITIAL STAFFING, FIRCREST SCHOOL, SEATTLE
9/1/69-8/31/70, INITIAL, $7,125, SRS-DMR
S3D055 MR INITIAL STAFFING, HILLTOP NEIGHBORHOOD
IMPROVEMENT COUNCIL, INC., TACOMA
9/1/69-8/31/70, INITIAL, $43,930, SRS-DMR
S3D060 MR INITIAL STAFFING, KITSAP AND MASON COS., REC.,
AND VOCATIONAL WORKSHOP, BREMERTON
7/1/69-6/30/70, INITIAL, $10,683, SRS-DMR
S3D065 MR INITIAL STAFFING, LILLIE RICE ACTIVITY CENTER,
WALLA WALLA
9/1/69-8/31/70, INITIAL, $25,545, SRS-DMR
S3D070 MR INITIAL STAFFING, LOWER PUGET SOUND
DEVELOPMENT CENTER, INC., OLYMPIA
9/1/69-8/31/70, INITIAL, $8,280, SRS-DMR
S3D075 MR INITIAL STAFFING, NORTHWEST CENTER FOR
RETARDED, SEATTLE
9/1/69-8/31/70, INITIAL, $8,850, SRS-DMR
S3D080 MR INITIAL STAFFING, SEATTLE SCHOOL DISTRICT NO.
1, SEATTLE
9/1/69-8/31/70, INITIAL, $31,697, SRS-DMR
S3D085 MR INITIAL STAFFING, SEATTLE SEQUIN SCHOOL,
SEATTLE
9/1/69-8/31/70, INITIAL, $6000, SRS-DMR
S3D090 MR INITIAL STAFFING, TACOMA GUILDS FOR
RETARDED CHILDREN, TACOMA
9/1/69-8/31/70, INITIAL, $10,477, SRS-DMR
S3D095 MR INITIAL STAFFING, TACOMA PIECE CO. CHAPTER,
WASH. ASSN. FOR RETARDED CHILDREN, TACOMA

28
### West Virginia

#### Training

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Institution</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount</th>
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<tbody>
<tr>
<td>54B005</td>
<td>Field Instruction of Rehabilitation Counseling Students</td>
<td>WVU</td>
<td>7/1/68</td>
<td>6/30/69</td>
<td>$55,211.00 SRS-DMR</td>
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<tr>
<td>54B010</td>
<td>Inservice Training for Aides and Supervisors</td>
<td>Morgantown State Department of Health</td>
<td>7/1/68-12/31/69</td>
<td>Renewal</td>
<td>$11,500.00 SRS-CB</td>
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<td>54B015</td>
<td>Mental Retardation Clinic for Service and Training</td>
<td>Glenville State College</td>
<td>7/1/68-6/30/69</td>
<td>Renewal</td>
<td>$115,000.00 SRS-CB</td>
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<tr>
<td>54B020</td>
<td>Preparation of Professional Personnel in the Education of Handicapped Children</td>
<td>Marshall University</td>
<td>7/1/68</td>
<td>6/30/69</td>
<td>$14,000.00 OE</td>
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<td>54B025</td>
<td>Preparation of Professional Personnel in the Education of Handicapped Children</td>
<td>WVU</td>
<td>7/1/68-6/30/69</td>
<td>Renewal</td>
<td>$20,500.00 OE</td>
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<td>54B030</td>
<td>Preparation of Professional Personnel in the Education of Handicapped Children</td>
<td>WVU</td>
<td>7/1/68</td>
<td>6/30/69</td>
<td>$55,550.00 OE</td>
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<td>54B035</td>
<td>Preparation of Professional Personnel in the Education of Handicapped Children</td>
<td>Morgantown</td>
<td>7/1/68-6/30/69</td>
<td>Renewal</td>
<td>$46,400.00 OE</td>
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#### Other

<table>
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<tr>
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<th>Start Date</th>
<th>End Date</th>
<th>Amount</th>
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<tbody>
<tr>
<td>54D005</td>
<td>Community Transitional Adjustment Program for Mentally Retarded</td>
<td>Colin Anderson Center, St. Mary's</td>
<td>12/1/68</td>
<td>11/30/69</td>
<td>$45,019.00 SRS-DMR</td>
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<tr>
<td>54D010</td>
<td>Consulting and Evaluation Clinic for Mentally Retarded Children, Charleston State Department of Health, Charleston</td>
<td>7/1/68-6/30/69</td>
<td>Renewal</td>
<td>$84,505.00 SRS-CB</td>
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<td>54D015</td>
<td>Facility Improvement Grant</td>
<td>Mercer County Opportunity Workshop for the Handicapped Inc., Bluffield</td>
<td>11/1/68-2/28/70</td>
<td>Renewal</td>
<td>$16,694.00 SRS-RSA</td>
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<td>54D020</td>
<td>Initial Staffing, Green Acres Regional Center Inc., Lesage</td>
<td>7/1/68-6/30/69</td>
<td>Initial</td>
<td>$57,825.00 SRS-DMR</td>
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### Wisconsin

#### Training

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<th>Amount</th>
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<td>55B005</td>
<td>Children's Development Center</td>
<td>University of Wisconsin</td>
<td>7/1/68</td>
<td>6/30/69</td>
<td>$71,416.00 SRS-CB</td>
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#### Other

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<tr>
<td>55D005</td>
<td>An Enrichment Program to Develop Self-Help Skills, Northern Wisconsin Colony and</td>
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### Construction

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<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>55C005</td>
<td>Community Facilities Construction, Curative Workshop</td>
<td>Milwaukee</td>
<td>6/27/69</td>
<td>Initial</td>
<td>$144,163.00 SRS-DMR</td>
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<tr>
<td>55C010</td>
<td>University-Affiliated Facilities Construction</td>
<td>University of Wisconsin</td>
<td>1/3/69</td>
<td>Initial</td>
<td>$2,816,783.00 SRS-DMR</td>
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</table>
CONSTRUCTION, TRAINING AND OTHER GRANTS FOR EACH STATE, 1969

WYOMING

TRAINING

56B005  INSERVICE TRAINING PROGRAM FOR WARD AIDES, WYOMING STATE TRAINING SCHOOL, LANDER
   7/1/69-6/30/70, INITIAL, $25,000, SRS-DMR

56B010  PREPARATION OF PROFESSIONAL PERSONNEL IN THE EDUCATION OF HANDICAPPED CHILDREN, DEPARTMENT OF EDUCATION, CHEYENNE
   FY 1969, RENEWAL, $25,600, OE

OTHER

56D005  CHILD DEVELOPMENT CENTER, CHEYENNE, DEPARTMENT OF PUBLIC HEALTH, CHEYENNE
   7/1/68-6/30/69, RENEWAL, $80,000, SRS-CB

56D010  COORDINATOR OF SERVICES FOR MENTALLY RETARDED, NATRONA COUNTY HIGH SCHOOL DISTRICT NO. 2, CASPER
   FY 1969, RENEWAL, $15,189, SRS-P

56D015  MR INITIAL STAFFING, NATRONA CO. HIGH SCH. DIST. AND SCH. DIST. NO. 2, CASPER
   9/1/69-8/31/70, INITIAL, $13,725, SRS-DMR

56D020  SENSORY STIMULATION IN TRAINING THE PROFOUNDLY RETARDED, WYOMING STATE TRAINING SCHOOL, LANDER
   4/1/69-3/31/70, RENEWAL, $95,765, SRS-DMR

55D010  AN ENRICHMENT PROGRAM TO REDUCE PHYSICAL RESTRAINT, SOUTHERN WISCONSIN COLONY AND TRAINING SCHOOL, UNION GROVE
   2/1/69-1/31/70, RENEWAL, $100,000, SRS-DMR

55D015  COMMUNITY SERVICE DEMONSTRATION PROJECT FOR MENTALLY RETARDED RURAL AREA STATE OF WISCONSIN DEPARTMENT OF HEALTH AND SOCIAL SERVICE, MADISON
   FY 1969, RENEWAL, $60,550, SRS-P

55D020  CURATIVE WORKSHOP OF MILWAUKEE, ADULT REHABILITATION CENTER MILWAUKEE
   6/29/69-6/28/70, INITIAL, $36,000, SRS-DMR

55D025  MARATHON COUNTY WORKSHOP FOR THE HANDICAPPED, WAUSAU
   FY 1969, INITIAL, $106,859, SRS-DMR

55D030  MR INITIAL STAFFING, BROWN CO. ASSN. FOR RETARDED CHILDREN, INC., GREEN BAY
   7/1/69-6/30/70, INITIAL, $68,400, SRS-DMR

55D035  MR INITIAL STAFFING, MILWAUKEE CO. INSTITUTIONS AND DEPARTMENTS, MILWAUKEE
   1/1/70-12/31/70, INITIAL, $74,288, SRS-DMR

55D040  MR INITIAL STAFFING, SOCIAL DEVELOPMENT COMMISSION, MILWAUKEE
   10/1/69-9/30/70, INITIAL, $16,500, SRS-DMR

55D045  MR INITIAL STAFFING, WALWORTH COUNTY, ELKHORN
   9/1/69-8/31/70, INITIAL, $48,555, SRS-DMR

55D050  TEAM MANAGEMENT OF THE AMBULANT SEVERELY RETARDED, CENTRAL WISCONSIN COLONY AND TRAINING SCHOOL, MADISON
   9/1/68-8/31/69, RENEWAL, $95,400, SRS-DMR

56D015  MR INITIAL STAFFING, NATRONA CO. HIGH SCH. DIST. AND SCH. DIST. NO. 2, CASPER
   9/1/69-8/31/70, INITIAL, $13,725, SRS-DMR

56D020  SENSORY STIMULATION IN TRAINING THE PROFOUNDLY RETARDED, WYOMING STATE TRAINING SCHOOL, LANDER
   4/1/69-3/31/70, RENEWAL, $95,765, SRS-DMR

OTHER

56D005  CHILD DEVELOPMENT CENTER, CHEYENNE, DEPARTMENT OF PUBLIC HEALTH, CHEYENNE
   7/1/68-6/30/69, RENEWAL, $80,000, SRS-CB

56D010  COORDINATOR OF SERVICES FOR MENTALLY RETARDED, NATRONA COUNTY HIGH SCHOOL DISTRICT NO. 2, CASPER
   FY 1969, RENEWAL, $15,189, SRS-P

56D015  MR INITIAL STAFFING, NATRONA CO. HIGH SCH. DIST. AND SCH. DIST. NO. 2, CASPER
   9/1/69-8/31/70, INITIAL, $13,725, SRS-DMR

56D020  SENSORY STIMULATION IN TRAINING THE PROFOUNDLY RETARDED, WYOMING STATE TRAINING SCHOOL, LANDER
   4/1/69-3/31/70, RENEWAL, $95,765, SRS-DMR

55D010  AN ENRICHMENT PROGRAM TO REDUCE PHYSICAL RESTRAINT, SOUTHERN WISCONSIN COLONY AND TRAINING SCHOOL, UNION GROVE
   2/1/69-1/31/70, RENEWAL, $100,000, SRS-DMR

55D015  COMMUNITY SERVICE DEMONSTRATION PROJECT FOR MENTALLY RETARDED RURAL AREA STATE OF WISCONSIN DEPARTMENT OF HEALTH AND SOCIAL SERVICE, MADISON
   FY 1969, RENEWAL, $60,550, SRS-P

55D020  CURATIVE WORKSHOP OF MILWAUKEE, ADULT REHABILITATION CENTER MILWAUKEE
   6/29/69-6/28/70, INITIAL, $36,000, SRS-DMR

55D025  MARATHON COUNTY WORKSHOP FOR THE HANDICAPPED, WAUSAU
   FY 1969, INITIAL, $106,859, SRS-DMR

55D030  MR INITIAL STAFFING, BROWN CO. ASSN. FOR RETARDED CHILDREN, INC., GREEN BAY
   7/1/69-6/30/70, INITIAL, $68,400, SRS-DMR

55D035  MR INITIAL STAFFING, MILWAUKEE CO. INSTITUTIONS AND DEPARTMENTS, MILWAUKEE
   1/1/70-12/31/70, INITIAL, $74,288, SRS-DMR

55D040  MR INITIAL STAFFING, SOCIAL DEVELOPMENT COMMISSION, MILWAUKEE
   10/1/69-9/30/70, INITIAL, $16,500, SRS-DMR

55D045  MR INITIAL STAFFING, WALWORTH COUNTY, ELKHORN
   9/1/69-8/31/70, INITIAL, $48,555, SRS-DMR

55D050  TEAM MANAGEMENT OF THE AMBULANT SEVERELY RETARDED, CENTRAL WISCONSIN COLONY AND TRAINING SCHOOL, MADISON
   9/1/68-8/31/69, RENEWAL, $95,400, SRS-DMR
RESEARCH AND DEMONSTRATION GRANTS, 1969

ETIOLOGY

A005  A TYPICAL HUMAN PLASMA CHOLINESTERASE, NS 5541-05; P ODEN, FRANCIS F., MONTEFIORE HOSPITAL AND MEDICAL CENTER, BRONX, N.Y., 9/68-8/69, RENEWAL, $20,736. NINDS

THIS RESEARCH WILL EXAMINE THE DIFFERENCE BETWEEN NORMAL HUMAN PLASMA CHOLINESTERASE AND THE KNOWN VARIANTS OF THIS ENZYME. IMPROVEMENT OF CURRENT IDENTIFICATION METHODS AND THE DEVELOPMENT OF A SIMPLE, PRECISE DETECTION PROCEDURE WILL BE ATTEMPTED.

A010  ABO ERYTHROBLASTOSIS IMMUNOLOGIC STUDIES HD 0274-03 HUNTLEY, CAROLYN C., WAKE FOREST UNIVERSITY, WINSTON-SALEM, N.C. 5/69-4/70 RENEWAL, $17,556. NICHHD

THIS PROPOSITION TO STUDY THE OBTANICAL AND NEWBORN PATIENTS AT THE UNIVERSITY OF PUERTO RICO HOSPITAL AND AT THE NORTH CAROLINA BAPTIST HOSPITAL WITH REFERENCE TO HEMOLYTIC DISEASE OF THE NEWBORN.

A015  ABO ERYTHROBLASTOSIS HD 3972-11; ROSENFIELD, RICHARD E., M.D., SCHOOL OF MEDICINE; NEW YORK, NEW YORK; 4/69-3/74; INITIAL; $90,474; NICHHD

THE AIMS OF THIS RESEARCH ARE 1) TO DEFINE THE IMMUNOLOGIC PARAMETERS UNDERLYING THE DEVELOPMENT OF ERYTHROBLASTOSIS, AND 2) TO DESIGN NEW QUANTITATIVE PREGNATAL TESTS WITH WHICH TO ESTIMATE ACCURATELY THE SEVERITY OF ANTICIPATED DISEASE.

A020  ABNORMAL DEVELOPMENT OF THE NEURVOS SYSTEM, NS 6188-04; LANGMAN, JAN, UNIVERSITY OF VIRGINIA SCHOOL OF MEDICINE CHARLOTTESVILLE, VIRGINIA, UNIVERSITY 9/68-8/69, RENEWAL, FY 68, $32,939. NINDS

THIS RESEARCH PROPOSES TO DETERMINE WHETHER VITAMIN A IN VITRO INHIBITS CELL DIVISION, WHAT IS THE PRECISE LOCALIZATION OF VITAMIN A IN THE CELL, AND WHETHER VITAMIN A INCREASES THE DIFFERENTIATION OF THE NEUROBLASTS OR WHETHER IT INTERFERES WITH CELL PROLIFERATION. ALSO TO BE EXAMINED IS WHETHER LABELED CELLS PENETRATE INTO THE CENTRAL NERVOUS SYSTEM OF THE UNLABELED EMBRYO AND WHETHER NEUROBLASTS ARE CHARACTERIZED BY A SPECIFIC PROTEIN.

A025  ALTERATION OF NEONATAL BRAIN BY MATERNAL NUTRITION, NS 8723-01, (PREDICED BY HD-NB 4053) ZAMENHOF, STEPHEN, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF.; 2/69-1/70, INITIAL, $21,255. NINDS

INVESTIGATING MALNUTRITION FACTORS WHICH INFLUENCE THE DNA IN THE BRAIN (REFLECTED BY THE NUMBER OF BRAIN CELLS) AND RELATIONSHIPS BETWEEN ALTERATIONS IN BRAIN CELL NUMBER AND BEHAVIOR PARAMETERS. PROTEIN DERIVATION BEFORE AND AFTER BIRTH MAY RESULT IN MENTAL IMPAIRMENT IN CHILDREN.

A030  ALTERING BILIRUBIN METABOLISM AND KERNFICTERUS BY DRUGS, NS 4925-06; SPARRT, JAMES L., STATE UNIVERSITY OF IOWA, IOWA CITY, IOWA 9/68-8/69, RENEWAL, $21,915. NINDS

THIS CONCERNS ATTEMPTS TO CAUSE STIMULATION OF BILIRUBIN CONJUGATION BY GLUCURONYL TRANSFERASE. THE STUDY WILL BE CONDUCTED WITH NEWBORN ANIMALS AND BOTH IN VIVO AND IN VITRO TECHNIQUES WILL BE UTILIZED.

A035  AMINO ACID INTERRELATIONS IN HUMAN METABOLIC DISEASE HD4608-01; NYHAN, WILLIAM L., UNIVERSITY OF CALIFORNIA; SAN DIEGO, CALIFORNIA; 6/69-5/70; INITIAL, $45,566. NICHHD

THIS IS A STUDY OF A NEW DISORDER OF AMINO ACID METABOLISM IN WHICH LEUKOPENIA, MENTAL RETARDATION, AND RECURRENCE OF SEVERE HEMOLYTIC DISEASES OF INFANTS HAVE BEEN ASSOCIATED WITH ELEVATED LEVELS OF GLYCINE IN THE BLOOD, URINE, AND CENTRAL NERVOUS SYSTEM. THE INTERRELATIONS OF AMINO ACIDS IN THIS CONDITION AND IN OTHER METABOLIC DISORDERS WILL BE INVESTIGATED. OTHER EXAMPLES OF PREVIOUSLY UNDESCRIBED ERRORS OF AMINO ACID AND PHOSPHATE SYNTHESIS IN BRAIN, NS 7663-02, OLSON, ERIK J., MEHARRY MEDICAL COLLEGE

RINE METABOLISM WILL BE INVESTIGATED AS THEY BECOME AVAILABLE.

A040  BIOCHEMICAL CAUSES OF MENTAL RETARDATION HD 3995-01; GHADIN, HOSSEIN; METHODIST HOSPITAL OF BROOKLYN, NEW YORK, NEW YORK; 6/69-5/70; INITIAL, $64,370. NICHHD

THE SPECIFIC AIMS OF THIS RESEARCH ARE THE FOLLOWING: 1) TO INVESTIGATE THE BIOCHEMICAL CAUSES OF MENTAL RETARDATION OF UNKNOWN ETIOLOGY, WITH SPECIAL INTEREST IN PATIENTS WHOSE FAMILY HISTORY SUGGESTS THE PRESENCE OF AN INBORN ERROR OF METABOLISM, AND 2) TO IMPROVE THE UNDERSTANDING AND TREATMENT OF PATIENTS WITH KNOWN INBORN ERRORS OF METABOLISM ASSOCIATED WITH MENTAL RETARDATION.

A045  BIOCHEMICAL DEVELOPMENT OF SURFACTANT OF LUNG HD4143-01; GLUCK, LOUIS; UNIVERSITY OF MIAMI; MIAMI, FLORIDA; 8/68-7/69; INITIAL, $42,816. NICHHD

THIS PROJECT IS STUDYING THE BIOSYNTHESIS, METABOLISM, AND ACYL COMPOSITION OF THE COMPONENT PHOSPHOLIPIDS IN THE SURFACE ACTIVE ALVEOLAR COMPLEX IN THE LUNGS OF DEVELOPING MAMMALIAN FETUSES. THE HUMAN STUDIES SUPPORT THE HYPOTHESIS THAT RESPIRATORY DISTRESS SYNDROME IS A DISEASE OF BIOCHEMICAL DEVELOPMENT.

A050  BIOSYNTHESIS AND METABOLISM OF GALACTOLIPIDS, NS 1575-12 BURTON, ROBERT M., WASHINGTON UNIVERSITY SCHOOL OF MEDICINE, ST. LOUIS, MO.; 7/68-6/70, INITIAL, $3,055. NINDS

THIS RESEARCH WILL STUDY METABOLIC PATHWAYS CONCERNING GALACTOLIPIDS THROUGH THE ISOLATION AND CHARACTERIZATION OF INDIVIDUAL ENZYME ACTIVITIES.

A055  BRAIN DAMAGE AND HYPEROXGENATION IN MENTAL DEFICIT, NS 7258-01 HARRIS, JOSEPH, BARROW NEUROLOGICAL INSTITUTE, PHOENIX, ARIZONA; 6/68-9/69, RENEWAL, FY 67, $25,187. NINDS

THIS RESEARCH PROPOSES TO ESTABLISH THE PARAMETERS INVOLVED IN THE PRODUCTION OF BRAIN DAMAGE BY EXPOSURE OF NEWBORN RATS TO HIGH CONCENTRATIONS OF O2 DURING THE FIRST FEW DAYS OF LIFE.

A060  BRAIN LIPIDS IN DIFFUSE DEMYELINATIVE DISEASES (NS-2672-09) MOSE, HUGO W., MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS.; 6/68-5/69, RENEWAL, $45,150. NINDS

THIS RESEARCH WILL STUDY THE TURNOVER OF SULFATED POLYSACCHARIDES, STEROID SULFATES, AND SULFATIDES IN PATIENTS WITH METACHROMATIC LEUKODYSTROPHY, AND IN INDIVIDUALS WITH OTHER TYPES OF RETARDATION. DISORDERS OF AMINO ACID METABOLISM WILL ALSO BE STUDIED.

A065  BRAIN METABOLISM AND SYSTEMIC DISEASE, NS 1365-11 (NOW NS 652801) BESSMAN, SAMUEL P., UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, 8/68-7/69, RENEWAL, $3,216. NINDS

OBJECTIVES OF THIS STUDY ARE TO DEVELOP CHEMICAL INFORMATION CONCERNING THE RELATION OF METABOLIC CHANGES OCCURRING IN THE LUNGS TO ALTERATIONS IN BRAIN METABOLISM LEADING TO UNCONSCIOUSNESS. STUDIES WILL BE MADE ON DISEASES SUCH AS HEREDITY AMINO ACIDS ABNORMALITIES, DIABETIC AND HEPATIC COMA.

A070  BRAIN PROTEIN SYNTHESIS IN RELATION TO MENTAL RETARDATION NS 7796-01 (FORMERLY NB-7120-01) RENDINA, GEORGE, BOWLING GREEN STATE UNIVERSITY, BOWLING GREEN, OHIO, 9/67-4/69, RENEWAL, FY 68, $50,169. NINDS

THIS RESEARCH CONCERNS THE GENERALIZATION THAT ALL TYPES OF RETARDATION RESULT FROM SOME MALFUNCTION OF THE DNA-RRN MATERIAL IN THE CELL AND THIS IS A GUIDE FOR INVESTIGATIVE ACTIVITY.

A075  CARBAMYL PHOSPHATE SYNTHESIS IN BRAIN, NS 7663-02, OLSON, ERIK J., MEHARRY MEDICAL COLLEGE
RESEARCH AND DEMONSTRATION GRANTS, 1969

SCHOOL OF MEDICINE, NASHVILLE, TENN., 1/69-12/69, RENEWAL, $2,653, NINDS

A080 CARBOHYDRATE METABOLISM IN NEONATE HD3595-01; CORNBUTL, MARVIN; UNIVERSITY OF MARYLAND, BALTIMORE, MARYLAND, 7/68-8/69, INITIAL; $31,870, NICHID
THE OBJECTIVE OF THIS RESEARCH IS TO DETERMINE THOSE FACTORS THAT INFLUENCE THE PERINATAL ADJUSTMENT RELATED TO GLUCOSE MetABOLISM. THESE HORMONES, SUBSTRATES, AND ENZYMES THAT HAVE IMPLICATIONS IN THE MAINTENANCE OF NORMOCYEMIA WILL BE STUDIED TO DETERMINE THE MULTIPLE CAUSES OF HYPOGLYCEMIA AND THE RESULTANT SEQUELAE IN THE NEONATE.

A085 CARBOHYDRATE METABOLISM IN THE NEWBORN HD3250-06; SCHWARTZ, ROBERT; CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO, 9/68-8/73, INITIAL; $21,854, NICHID
THIS PROJECT INCLUDES STUDIES OF THE PHYSIOLOGICAL DIFFERENCES BETWEEN NORMAL MATURE INFANTS, IMMATURE INFANTS (PRE-TERM), AND DYSMATURE INFANTS (LOW BIRTH WEIGHT FOR GESTATION), AS WELL AS INFANTS OF DIABETIC MOTHERS. THE INVESTIGATORS ARE ULTIMATELY INTERESTED IN THE CORRELATION OF ALKALINE PHOSPHATASE AND BIOCHEMISTRY IN THE PERINATAL PERIOD WITH GROWTH AND EMOTIONAL AND INTELLECTUAL DEVELOPMENT.

A090 CAUSES OF MENTAL RETARDATION IN INFANCY HD-02382-03 Egan, Thomas J., CHILDREN'S MEMORIAL HOSPITAL, CHICAGO, ILLINOIS, 10/68-9/69, RENEWAL, $16,961, NICHID
THIS RESEARCH PROPOSES TO EVALUATE THE IMPORTANCE OF ACCUMULATION OF GALACTITOL IN THE TISSUES OF GALACTOSE-LOADING RATS IN RELATION TO PATHOLOGY OF THE ORGANS TO BE EXAMINED, SUCH AS THE LIVER, KIDNEY, BRAIN, SKELETAL MUSCLE AND HEART.

A095 CHILD HEALTH AND DEVELOPMENT STUDIES, HD-00718-10 J. FERHONY, A MAYER FOUNDATION HOSPITALS, OAKLAND, CALIFORNIA, 6/69-5/72, RENEWAL, $537,103, NICHID
THIS RESEARCH PROPOSES TO INVESTIGATE THE RELATIONSHIP OF MEDICAL, GENETIC, BIOLOGICAL, AND ENVIRONMENTAL FACTORS IN THE PARENTS-INCLUDING EVENTS DURING PREGNANCY, LABOR AND DELIVERY--TO NORMAL AND ABNORMAL DEVELOPMENT OF INFANTS AND TO OCCURRENCE OF NEUROLOGICAL ABNORMALITIES.

A100 CHROMOSOMAL ABNORMALITIES AND LOCALIZATION OF GENES, NS-6390-03, DOXADIAS, S.A., AGHIA SOSPITA CHILDREN'S HOSPITAL, ATHENS, GREECE, 1/68-12/68, RENEWAL, FY 69, $17,850, NINDS
THIS RESEARCH CONDUCTS CHROMOSOMAL STUDIES ON ALL NEWBORN AT UNIVERSITY MATERNITY HOSPITAL IN ATHENS, GREECE WHERE AMNION SHARING WAS PERFORMED. HISTOLOGICAL AND BIOCHEMICAL INVESTIGATIONS ARE CONDUCTED TO ATTEMPT GENETIC LOCALIZATION.

A105 CONGENITAL CATARACTS AND ASSOCIATED ANOMALIES, NS-7223-03 MARCUS, LEONARD C., ALBERT EINSTEIN COLLEGE OF MEDICINE, Yeshiva UNIVERSITY, BROXON, N.Y., 5/67-4/70, RENEWAL, $3,779, NINDS
THIS RESEARCH PROPOSES TO STUDY THE GENETIC AND PATHOPHYSIOLOGICAL BASIS OF CONGENITAL CATARACTS IN ENGLISH Cocker SPANIELS AND BEAGLES.

A110 CYSTATHIONINE METABOLISM IN BRAIN, NS-4454-06 BROWN, FOUNTAIN CHRISTINA, UNIVERSITY OF TENNESSEE, MEMPHIS, TENN., 7/68-8/69 RENEWAL, $10,883, NINDS
THE PURPOSE OF THIS RESEARCH IS TO ANALYZE NORMAL AND ABNORMAL MECHANISMS OF THE EMBRYONIC HUMAN NERVOUS SYSTEM. AUTORADIOGRAPHY AND ELECTRON MICROSCOPY WILL BE USED IN THE ANALYSIS.

A120 CYTGENETIC STUDIES IN MENTAL RETARDATION, HD-00339-00 BREG, W. ROY, CONNECTICUT STATE DEPARTMENT OF HEALTH, ST. LOUIS, CONNECTICUT, 6/69-5/72 RENEWAL, $23,010, NICHID
THIS RESEARCH CONCERNS CHROMOSOMAL STUDIES DONE ON SELECTED CASES OF MENTAL RETARDATION AND, WHEN INDICATED, ON THEIR RELATIVES.

A125 DETECTION AND STUDY OF INBORN ERRORS HD367-06, GUTHRIE, ROBERT; STATE UNIVERSITY OF NEW YORK, BUFFALO, NEW YORK, 4/69-3/72, INITIAL; $46,920, NICHID
THIS PROJECT DEALS WITH THE APPLICATION OF CONCEPTS AND METHODS OF BIOCHEMICAL TOXICITY AND BACTERIAL METABOLISM TO THE DETECTION AND STUDY OF CHEMICAL DIFFERENCES IN HUMAN INDIVIDUALS, ESPECIALLY THOSE DIFFERENCES ASSOCIATED WITH MENTAL RETARDATION.

A130 DETECTION OF BLOOD GALACTOSIDE IN NEWBORN CHILDREN HD3927-01; PAIGEN, KENNETH, HEALTH RESEARCH INC., BUFFALO, NEW YORK, 11/68-10/70, INITIAL; $28,023, NICHID
THE PURPOSE OF THIS PROJECT IS TO DEVELOP A SIMPLE DIAGNOSTIC TEST FOR ELEVATED BLOOD LEVELS WHICH CAN BE APPLIED TO THE MASS SCREENING OF NEWBORN CHILDREN.

A135 DEVELOPMENTAL NERVOUS DISORDERS KRAIBE'S DISEASE, NS-6756-03 FLETCHER, T.J., UNIVERSITY OF MINNESOTA COLLEGE OF VETERINARY MEDICINE, MINNEAPOLIS, MINN., 2/68-1/70, RENEWAL, $17,731, NINDS

A140 DIRECT AND INDIRECT CALORIMETRY IN NEWBORN, NS-4831-05 (NOW-HD-NR-4487-06) ANDERSON, JOHN A., UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN., 9/68-8/69, RENEWAL, $24,773, NINDS
THIS RESEARCH PROPOSES TO INVESTIGATE THE ENERGY METABOLISM OF HUMAN NEWBORN BY SIMULTANEOUS DIRECT AND INDIRECT CALORIMETRY. THE RATIO OF OXYGEN CONSUMPTION TO HEAT PRODUCTION WILL BE DETERMINED FOR NORMAL INFANTS DURING THE FIRST WEEK OF LIFE AND WILL BE COMPARED WITH THOSE OBTAINED ON NEONATES WHO HAVE RESPIRATORY DISTRESS, HYPERBILIRUBINEMIA, PRE-MATURITY OR ARE UNDER THE EFFECT OF DRUGS.

A145 DRUGS ON BRAIN CHOLESTEROL DURING DEVELOPMENT AND AGING HD461-01; KABARA, JON J., MICHIGAN COLLEGE OF OSTHEOPATHIC MEDICINE, PONTIAC, MICHIGAN, 6/69-5/70, INITIAL; $18,986, NICHID
THE PURPOSE OF THIS PROJECT IS TO EVALUATE THE EFFECT OF HYPOCHOLESTEROLEMIC AGENTS ON STEROID METABOLISM IN THE BRAIN OF DEVELOPING AND AGING MICE. LONG RANG OBJECTIVES OF THE PROGRAM WOULD LEAD TO STUDY OF OTHER DRUGS THAT AFFECT THE CENTRAL NERVOUS SYSTEM BUT DO NOT HAVE KNOWN HYPOCHOLESTEROLEMIC EFFECTS.

A150 EFFECTS OF ANOXIA ON BRAIN METABOLISM THE NEWBORN, (1) NS-6163-03, (2) NS-6163-04, THURSTON, JEN H., WASHINGTON UNIVERSITY MEDICAL SCHOOL, ST. LOUIS, MISSOURI, (1) 10/67-9/68, (2) 10/68-9/69, RENEWAL, (1) $29,050, (2) $28,877, NINDS
THESE RESEARCH PROPOSALS STUDY BIOCHEMICAL EFFECTS OF ANOXIA ON THE BRAIN OF THE NEWBORN FETUS. SUBSTRATES OF KNOWN IMPORTANCE IN BRAIN METABOLISM WILL BE MEASURED AT ZERO TIME AND AFTER VARYING DEGREES OF ANOXIA, WITH THE AIM OF CORRELATING THE FINDINGS WITH FUNCTIONING OF THE BRAIN AS MIGHT RELATE TO SUBSEQUENT DEVELOPMENT.

A155 EFFECT OF MALNUTRITION IN EARLY LIFE HD-02581-09 BARNES, RICHARD H., CORNELL UNIVERSITY, ITHACA, NEW YORK, 4/69-3/71 RENEWAL, $39,178, NICHID
THIS RESEARCH PROPOSAL TO STUDY THE EFFECTS OF MALNUTRITION IN EARLY LIFE UPON SUBSEQUENT PHYSICAL AND MENTAL DEVELOPMENT IN EXPERIMENTAL ANIMALS (PARTICULARLY RATS AND PIGS).
A160 EFFECTS OF MATERNAL HYPOXEMIA ON INFANT DEVELOPMENT HD4075e01; WHITTEMORE RUTH, YALE UNIVERSITY, NEW HAVEN, CONNECTICUT; 3/69-2/74; INITIAL, $21,748; NICHD

THE PURPOSE OF THIS RESEARCH IS TO STUDY THE EFFECT OF MATERNAL HYPOXEMIA ON GROWTH AND DEVELOPMENT OF BOTH THE PUPPY AND HIS OFFSPRING. SOME OF THE OBJECTIVES ARE 1) TO ASCERTAIN THE RELATIONSHIP OF CHRONIC HYPOXEMIA TO FETAL DEVELOPMENT, GESTATIONAL AGES, AND 2) TO EVALUATE THE SUBSEQUENT GROWTH AND DEVELOPMENT OF SUCH INFANTS.

A165 ENERGY SUPPLY DISORDERS AFFECTING THE FETAL-INFANTILE CNS, NS-2275-10; PENTSCHEW, ANGEL, CENTRAL ANATOMIC LABORATORY, MARYLAND MEDICAL-LEGAL FOUNDATION, BALTIMORE, MARYLAND, 9/68-8/69, RENEWAL, $46,791, NINDS

THIS RESEARCH PROPOSES FURTHER EXPLORATION OF EXPERIMENTAL TREATIVES SUBSEQUENT TO THIS RESEARCH PROPOSES FURTHER EXPLORATION OF RECENT EXPERIMENTAL TISSUE METABOLIC HYPOXIDOSIS ABOLISHES THE INHERENT SPECIFIC SKILL OF THE CEREBRAL CAPILLARIES TO FUNCTION AS BLOOD-TISSUE BARRIER AND REDUCES THEIR FUNCTIONAL ABILITY TO THAT OF COMMON CAPILLARIES.

A170 ENVIRONMENTAL LEAD INTOXICATION IN CHILDREN HD-01584-04 HARDY, HARRIET L., MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CAMBRIDGE, MASSACHUSETTS 4/69-3/70 RENEWAL, $9,247 NICHD

THIS RESEARCH PROPOSES TO INVESTIGATE THE POSSIBLE BAZAR OF REPEATED LEAD INTAKE FROM ENVIRONMENTAL SOURCES—THE INTAKE TOO LOW TO PRODUCE RECOGNIZABLE LEAD POISONING. AT THIS TIME, THERE IS CONSIDERABLE LITERATURE NOTABLY FROM EUROPE SUGGESTING THAT ACUTE AND CHRONIC LEAD INTOXICATION LEADS TO NOT ONLY BRAIN DAMAGE BUT IF IT OCCURS IN ADULT FEMALES MAY DAMAGE PROGENY.

A175 ENZYMATIC FORMATION OF BILE PIGMENTS, (1), NS 5367-05, (2) NS 5367-0551, LEV IV, EPHRAIM Y., JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE, MARYLAND, (1) 9/68-8/69, (2) 5/69-8/69, RENEWAL, (1) FY 68, $14,383, (2) $5,102, NINDS


A180 ENZYME ACTIVITIES IN BRAINS, NS-7360-01 LAMBOY, JOHN P., UNIVERSITY OF NEBRASKA COLLEGE OF MEDICINE, OMAHA, NEBRASKA, 5/67-4/70, RENEWAL, FY 67, $17,099, NINDS


A185 EXPERIMENTAL MODEL OF PHENYLKETONURIA-LIKE CONDITIONS, NS-6905-03, LIISS, LEOPOLD, OHIO STATE UNIVERSITY, COLUMBUS, OHIO, 2/69-1/70, RENEWAL, $22,825, NINDS

THIS RESEARCH PROPOSES TO INVESTIGATE THE MECHANISMS WHICH CAUSE MENTAL RETARDATION IN ACCUMULATION DISEASES.

A190 FACTORS INFLUENCING NEURAL TUBE DIFFERENTIATION NS-6367-04, LYSTER KATHERINE M., HUNTER COLLEGE OF THE CITY UNIVERSITY OF NEW YORK, NEW YORK, N.Y., 12/68-11/69, RENEWAL, $16,901, NINDS

THIS RESEARCH FOCUSES UPON FACTORS CONTROLLING DEVELOPMENT IN THE CHICK EMBRYO SPINAL CORD, BEGINNING AT THE TIME OF INITIAL DIFFERENTIATION OF NEUROBLAST CELLS AND NERVE PROCESSES BEING STUDIED IN ORGAN CULTURE.

A195 FUNCTIONAL ANALYSIS OF THE HUMAN SKULL, NS-965-14, MOSS, MEVIN L., COLUMBIA UNIVERSITY COLLEGE OF PHYSICIANS AND SURGEONS, NEW YORK, N.Y., 9/68-8/69, RENEWAL, $9,962, NINDS

THIS RESEARCH PROPOSES TO CONTINUE STUDY OF THE FORM AND STRUCTURE OF THE HUMAN SKULL BY THE PREVIOUSLY ESTABLISHED METHODS OF FUNCTIONAL CRANIAL ANALYSIS, THE ISOLATION OF FUNCTIONAL CRANIAL COMPONENTS, THE IDENTIFICATION OF THEIR RESPECTIVE SKELETAL UNITS AND RELATED FUNCTIONAL MATRICES.

A200 FURTHER INVESTIGATION ON INFANT MALNUTRITION HD-3741-08; MONCKEBERG, FERNANDO B.; UNIVERSITY OF CHILE, SANTIAGO, CHILE; 1/69-12/71; INITIAL, $33,815; NICHD

THIS PROJECT IS CONCERNED WITH THE PATHOGENIC MECHANISMS OF METABOLIC DISORDERS WHICH RESULT FROM MALNUTRITION, BOTH IN THE NEWBORN AND IN THE NEWBORN DURING THE FIRST MONTHS OF LIFE. THESE DISORDERS ARE THOUGHT TO INTENSIFY VERY ENSONED WITH GROWTH, DEVELOPMENT, AND INTELLECTUAL CAPACITY.

A205 GALACTOSEMIA GENETICS, INCIDENCE AND PATHOPHYSIOLOGY HD-01974-04 BEUTLER, ERNEST, CITY OF HOPE MEDICAL CENTER, DUARTE, CALIFORNIA, 2/69-1/72 RENEWAL, $54,823, NICHD

THIS RESEARCH CONCERNS THE SCREENING FOR GALACTOSE-1-PHOSPHATE URIDYL TRANSERASE DEFICIENCY AND MUTATION EFFECTING THE ELECTRO-PHIORIC MOBILITY OF GLUCOSE-1-PHOSPHATE DEHYDROGENASE IN THE OFFSPRING OF MICE BEING TREATED WITH RADIATION OR THE CHEMICAL MULLAGENETYL METHANE SULFONATE. THE CHROMATIC GRAPHIC CHARACTERISTICS OF HUMAN RED CELL GALACTOSE-1-PHOSPHATE URIDYL TRANSERASE ARE UNDER STUDY.

A210 GANGLIOSIDES IN WHITE MATTER AND MYELIN, NS-7944-01, SUZUKI, KUNIHICO, ALBERT EINSTEIN COLLEGE OF MEDICINE, YESHIVA UNIVERSITY, BRONX, N.Y., 12/68-11/70, RENEWAL, $40,294, NICHD

THIS RESEARCH WILL ATTEMPT TO CLARIFY THE LOCALIZATION AND NATURE OF THE GANGLIOSIDE RECOVERED IN THE MYELIN FRACTION. THE CHARACTERIZATION OF MYELIN FROM BRAINS WITH TAY-SACHS DISEASE WILL BE DONE.

A215 GENETIC FACTORS IN HUMAN SEX DEVELOPMENT HD-00516-09, MILLER, ORLANDO JUAC, COLUMBIA UNIVERSITY, NEW YORK, NEW YORK, 10/68-9/70, RENEWAL, $40,409, NICHD

THIS RESEARCH CONCERNS THE RELATION BETWEEN CHROMOSOMAL ABNORMALITIES AND SEX DIFFERENTIATION. THE ROLE OF CHROMOSOMAL ABNORMALITIES IN INTERSEXUALITY, OTHER DEVELOPMENTAL SEXUAL ABNORMALITIES OR REPRODUCTIVE FAILURE THE ETIOLOGY OF THESE CHROMOSOMAL ABNORMALITIES. IDENTIFICATION OF INDIVIDUAL CHROMOSOMES MAPPING GENE LOCUS TO SPECIFIC CHROMOSOMES, AND USE OF NEW TECHNIQUES TO LEARN MORE ABOUT CELL DIVISION.

A220 GENETIC STUDIES OF TAPETO-RETINAL DEGENERATIONS, NS-4590-06, KLEIN, DAVID, INSTITUT UNIVERSITAIRE DE GENETIQUE MEDICALE, GENEVA, SWITZERLAND, 6/69-3/70, RENEWAL, $6,250, NINDS

THIS RESEARCH INVESTIGATES THE ASSOCIATION OF TAPETO-RETINAL DEGENERATIONS WITH HEREDITARY DISORDERS SUCH AS NIEHRM-PROACM AND FAMILIAL AMIACRIC IDIOCY. BIOCHEMICAL AND BLOOD EXAMINATIONS OF AFFECTED FAMILIES WILL BE MADE.

A225 HASHIMOTO'S STRUMA AND CONGENITAL HYPOTHYROIDISM HD-00688-12, BEIERWALTZ, ANN, MICHIGAN, 4/69-3/70, RENEWAL, $32,889, NICHD

THIS RESEARCH CONCERNS THE STUDY OF Lymphoid Thyroiditis Simulating Hashimotos Struma in the Human in an Inbred Beagle Colony and (2) IN HUMANS, EFFECT OF DIETARY IDEACE ON THE INCIDENCE OF HASHIMOTOS THYROIDIS AND THE INCIDENCE OF LOW THYROID RESERVE FROM HASHIMOTO'S THYROIDIS IN MOTHERS OF CRETINS AND MOTHERS WITH DEMONSTRABLE CIRCULATING ANTIBODIES WITH NO CRETINOUS OFFSPRING.

A230 IMMEDIATE AND LONG-TERM EFFECTS OF ASPHYXIA NEONATORUM HD-03417-02, WINDLE, WILLIAM F., NEW YORK UNIVERSITY, N.Y., 3/69-2/71, RENEWAL, $107,324, NICHD

THE PURPOSE OF THIS RESEARCH IS TO STUDY THE ROLE OF ASPHYXIA NEONATORUM AS IT ADVERSALLY AFFECTS STRUCTURE AND FUNCTION OF THE INDIVIDUAL. WAYS WILL BE SOUGHT TO PREVENT AND REDUCE SUCH CHANGES.

A235 IMMUNOCHEMICAL STUDIES OF NEURAL DIFFERENTIATION, NS-7141-03, SAMSON, FREDERICK E., UNIVERSITY OF KANSAS, LAWRENCE, KANSAS, 9/68-8/69, RENEWAL, $11,530, NINDS

THIS RESEARCH PROPOSES TO CONTINUE WORK ON THE CHEMICAL FRACTIONATION OF CHICKEN BRAIN ANTIGENS AND THE
A240 INHIBITION ASSAY - DETECTION AND STUDY OF INBORN ERRORS, NS-5290-03, NOW (HD-NB-3967-06 AS OF 11/68) GUTHRIE, ROBERT, RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK, ALBANY, N.Y., 4/6/3-6/9, RENEWAL, FY 68, $46,074. (NINDS)

THIS RESEARCH CONCERNS MULTIPLE MICROBIOLOGICAL TESTS AND A MULTIPLE INHIBITION ASSAY FOR DETECTION OF INBORN ERRORS IN THE NEWBORN INFANT. A POSSIBLE NEW INBORN ERROR ASSOCIATED WITH SEVERE MENTAL RETARDACTION AND RELATED TO HISTIDINEMIA HAS BEEN DISCOVERED.

A245 INTELLECTUAL DEVELOPMENT AND ORPHANAGE EXPERIENCE (MH-10226-04) HUNT, J. MCVICER, UNIVERSITY OF ILLINOIS, URBANA, ILLINOIS 9/69 RENEWAL, $12,890. NIMH

THIS RESEARCH CONCERNS WHETHER INCREASING THE VARIABILITY OF AUDITORY AND VISUAL INPUT DURING THE FIRST YEAR DECREASES THE DEGREE TO WHICH INFANTS IN AN ORPHANAGE ARE RETARDED, AND WHETHER ADOLESCENTS RAISED IN THE SAME ORPHANAGE SETTING SHOW GREATER INTELLECTUAL DEFECTS THAN FAMILY-READED CHILDREN.

A250 INTRAUTERINE FETAL MALNUTRITION IN RATS HD4610-01; OH, WILLIAM; LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL; TORRANCE, CALIFORNIA; 6/69-6/70, INITIAL; $22,028, NICHD

THE PURPOSE OF THIS RESEARCH IS TO INVESTIGATE THE BIOCHEMICAL LESIONS OF INTRAUTERINE FETAL MALNUTRITION IN RATS. THE FOLLOWING STUDIES WILL BE EMPHASIZED": GLUTOSE AND OTHER SUBSTRATE TRANSPORT ACROSS THE PLACENTA, GLYOGEN SYNTHESIS IN THE PLACENTA, LIVER, BLOOD, AND MUSCLE PROTEIN SYNTHESIS AND UTILIZATION IN THESE ORGANS, PARTICULARLY IN THE BRAIN.

A260 LP AND ASSOCIATED MUTATIONS, (NS-684-14) STEIN, KATHRYN F., MOUNT HOLYOKE COLLEGE, SOUTH HADLEY, MASSACHUSETTS, 10/67-9/69, RENEWAL, FY 68, $12,130. NICH

THIS RESEARCH CONCERNS THE MUTATION LP IN THE MOUSE, WHICH IN HOMOZYGOUS EMBRYS PREVENTS CLOSURE OF THE NEURAL FOLDS, AND SEVERAL ASSOCIATED MUTATIONS.

A270 MATERNAL AND FETAL METABOLISM OF STEROIDS AND DRUGS HD0-620-01; KEINRICHST, WILLIAM L.; UNIVERSITY OF WASHINGTON; SEATTLE, WASHINGTON, 12/68-11/71; INITIAL; $20,196. NICH

THE ENZYMATIC ACTIVITIES AT SEVERAL POSITIONS IN THE MOLECULE OF STEROID HORMONES, AND DIFFERENTIAL GROUPS OF DRUGS, WILL BE INVESTigated IN PREGNANT AND FETAL ANIMALS. ATTEMPTS WILL BE MADE TO INHIBIT OR TO SELECTIVELY INHIBIT THESE MATERNAL AND FETAL ENZYMES BY TREATMENT OF ANIMALS WITH METABOLIC INHIBITORS OR ENZYME INDUCING AGENTS.

A275 MENTAL RETARDATION CLINICAL RESEARCH CENTER HD-00370-07; KUGEL, ROBERT, UNIVERSITY OF NEBRASKA, OMAHA, NEBRASKA 10/66-9/69 RENEWAL $213,517. NICH

THE PURPOSE OF THIS RESEARCH IS TO INVESTIGATE MECCHANISMS UNDERLYING SOME OF THE METABOLIC DIFFERENCES, FOR EXAMPLE, FIRST AND SECOND METABOLIC PATHWAYS, IN THE NEURON. ANY DETERMINATION OF THE CAUSES, CLARIFICATION OF DIAGNOSIS, AND DEVELOPMENT OF MORE TECHNICAL METHODS FOR THE PREVENTION AND TREATMENT OF MENTAL RETARDATION, AND PROVISION OF A SETTING FOR TEACHING AND TRAINING OF PERTINENT DISCIPLINES AT THE UNDERGRADUATE, GRADUATE, AND POSTGRADUATE LEVELS.

A276 MENTAL RETARDATION CONFERENCE ON PHYSICAL INJURIES, (PH-43-700-700) ANGLE, CAROL, UNIVERSITY OF NEBRASKA, LINCOLN, NEBR., 4/6/3-6/9, INITIAL, $25,000. NINDS

A325 NEW AMINO ACID DISORDERS IN CEREBRAL DISEASE, NS-5096-06, SHIH, VIVIAN E., MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS., 1/69-6/69, RENEWAL, $22,896. NINDS
THESE RESEARCH INVOLVES THE INVESTIGATION OF ENZYME BIOCHEMISTRY AND PATHOPHYSIOLOGY OF SEVERAL PREVIOUSLY UNDESCRIBED INBORN ERRORS OF AMINO ACID METABOLISM ASSOCIATED WITH AMMONIA INTOXICATION, MENTAL RETAR­DATE, AND OTHER DISORDERS OF CEREBRAL DISEASE.
A330 NUTRITION AND CELL GROWTH DURING BRAIN DEVELOPMENT HD3888-01; WINICK, MYRON; CORNELL UNIVERSITY, NEW YORK, NEW YORK; 3/69-2/72; INITIAL; $32,098; NICHD
THE EFFECTS OF MALNUTRITION ON CELLULAR CHANGES IN THE DEVELOPING BRAIN ARE BEING INVESTIGATED USING BIOCHEMICAL TECHNIQUES. ONCE THESE CHANGES ARE DEFINED, IT MAY BE POSSIBLE TO DETERMINE IF ANY OR ALL ARE REVERSIBLE.
A335 NUTRITION AND DEVELOPMENT OF CHILDREN IN RURAL AREAS HD-03942-02, CHAVEZ, ADOLFO, INSTITUTO NACIONAL DE LA NUTRICION, MEXICO, D.F., MEXICO, 5/69-4/71, RENEWAL, $23,076. NICHDS
THIS RESEARCH WILL MEASURE, LONGITUDINALLY, FOOD AND NUTRIENT CONSUMPTION IN CHILDREN FROM BIRTH TO FIVE YEARS OF AGE. THIS DATA WILL BE CORRELATED WITH GROWTH, MATURATION, AND PSEUDODEVELOPMENTAL FEEDING PRACTICES FOR INFANTS AT VARIOUS AGES WILL BE DEFINED.
A340 NUTRITION, CELL FUNCTION AND GROWTH RETARDATION HD-02912-02, METCOFF, JACK, MICHAEL REESE HOSPITAL AND MEDICAL CENTER, CHICAGO, ILL., 3/69-2/71 RENEWAL, $36,197; NICHD
THIS RESEARCH WILL COMPARE HUMAN FETAL MALNUTRITION WITH POSTNATAL MALNUTRITION AND THE EFFECTS OF NUTRITION ON BIOCHEMICAL ASPECTS OF GROWTH AND DEVELOPMENT.
A345 NUTRITION IN PREGNANCY AND EARLY CHILDHOOD HD3692-01; UNGLAUB, WALTER G.; TULANE UNIVERSITY, NEW ORLEANS, LOUISIANA; 6/69-5/74; INITIAL; $89,246; NICHD
THE OBJECTIVES OF THIS RESEARCH ARE TO PROVIDE DIETARY INTAKE DATA FROM PREGNANT WOMEN IN A RURAL AREA OF SOUTHEASTERN LOUISIANA AND FROM THEIR OFFSPRING FROM BIRTH THROUGH THE AGE OF FIVE YEARS. THIS INFORMATION IS TO BE CORRELATED WITH CLINICAL DATA PERTAINING TO GESTATION, DELIVERY, GROWTH, PHYSICAL AND MENTAL DEVELOPMENT OF THE OFFSPRING, AND WITH CLINICAL AND BIOCHEMICAL PARAMETERS OF NUTRITIONAL STATUS.
A350 ONTOGENESIS OF ACTIVITY IN CEREBRAL NEURONS, NS-7105-03, HUTTENLOCHER, PETER R., YALE UNIVERSITY SCHOOL OF MEDICINE, NEW HAVEN, CONNECTICUT; 9/64-5/68, RENEWAL, $15,639. NINDS
THIS RESEARCH CONCERNS THE DEVELOPMENT OF NEURONAL ACTIVITY IN IMMATURE MAMMALIAN CEREBRAL CORTEX. IT IS HOPED TO EVENTUALLY CORRELATE DEVELOPMENT OF NEURONAL FUNCTIONING WITH ANATOMICAL DEVELOPMENT OF CORTEX, AND WITH BIOCHEMICAL CHANGES OBSERVED DURING MATURATION OF THE BRAIN.
A355 PATHOGENESIS AND MECHANICS OF PULMONARY HYPOPLASIA HD3629-01; DE LORIMIER, ALFRED A.; UNIVERSITY OF CALIFORNIA; SAN FRANCISCO, CALIFORNIA; 11/68-10/71; INITIAL; $49,113; NICHD
THE PURPOSE OF THIS PROJECT IS TO EXAMINE THE FOLLOWING TOPICS: 1) THE PATHOGENESIS OF HYPOPLASTIC LUNGS; 2) THE VENTILATORY AND HEMODYNAMIC CHANGES THAT OCCUR IN LAMBS WITH HYPOPLASTIC LUNGS, COMPARED TO NORMAL LAMBS; 3) THE VENTILATORY AND HEMODYNAMIC CHANGES IN HYPOPLASTIC LUNGS WHICH WILL PROVIDE ADEQUATE GASEOUS EXCHANGE.
A360 PATHOGENESIS OF NEONATAL PHYSIOLOGIC JAUNDICE HD3783-01; GARTNER, LAWRENCE MITCHEL; YOSHUA UNIVERSITY, NEW YORK, NEW YORK; 11/68-6/69; RENEWAL; $27,118. NICHD
THIS PROJECT INCLUDES THE FOLLOWING STUDIES: 1) EVALUATION OF HEPATIC BILIRUBIN TRANSPORT AND METABOLISM IN THE SUBHUMAN PRIMATE—IDENTIFICATION OF INHIBITORS OF GLUCURONYL TRANSFERASE IN LIVER OF NEWBORN SUBHUMAN PRIMATES, GUINEA PIGS, AND HUMANS; AND 3) EVALUATION OF NEONATAL DEVELOPMENT OF HEPATIC BILIRUBIN BINDING BY PROTEINS, IN SERUM AND HEPATIC CYTOPLASMIC FRACTIONS, IN RELATION TO TRANSFER OF BILIRUBIN FROM PLASMA TO LIVER.
A365 PERNATAL MALNUTRITION AND DEVELOPMENT OF THE OFFSPRING HD-3508-01; CHOW, BACON F.; JOHNS HOPKINS UNIVERSITY, BALTIMORE, MARYLAND; 6/69-5/72; INITIAL; $23,216; NICHD
THE PURPOSE OF THIS PROJECT IS TO SEPARATE THE CONSEQUENCES OF DIETARY RESTRICTION DURING GESTATION FROM THOSE OF RESTRICTION DURING LACTATION IN ORDER TO EVALUATE THEIR RELATIVE IMPORTANCE IN THE PHYSIOLOGICAL AND BEHAVIORAL PERFORMANCE OF THE PROGENY. THE STUDIES WILL EXPLORE QUALITATIVE AS WELL AS QUANTITATIVE RESULTS FROM THE STRESSES APPLIED AT THE TWO PERIODS.
A370 PERSISTENT CONGENITAL AND NEONATAL VIRUS INFECTIONS HD3413-01; LANG, DAVID J.; DUKE UNIVERSITY, DURHAM, NORTH CAROLINA; 8/68-7/69; INITIAL; $45,172; NICHD
THE PURPOSE OF THIS PROJECT IS TO STUDY CONGENITAL AND NEONATAL VIRUS INFECTIONS, EMPHASIZING THOSE AGENTS WHICH CAUSE PERSISTENT INFECTION. PRESENT STUDIES FOCUS ON THE BIOLOGICAL CHARACTERISTICS AND ACTIVITIES OF HUMAN CYTOMEGALOVIRUSES IN VITRO AND IN VIVO.
A375 PHENYLALANINE ANTIMETABOLITE EFFECTS IN NERVOUS SYSTEM, NS-6903-03; WATSON, R.; MIDWEST RESEARCH INSTITUTE, KANSAS CITY, MO.; 2/69-1/70, RENEWAL, $23,730. NINDS
THIS PROJECT REPRESENTS A STUDY OF THE EFFECTS OF ANTIMETABOLITES OF L-Phenylalanine on the Nervous System, with Emphasis Upon the Developing Nervous System, the Compounds to Be Studied Are DL-4-FLUOROPHENYLALANINE, DL-4-METHYLPHENYLALANINE, and DL-4-PHYRIDYL-AlANINE.
A380 PHYLLOGENY AND ONTOGENY OF THE CEREBRAL CORTEX, NS-3475-08, NOBACK, R.; COLUMBIA UNIVERSITY, COLLEGE OF PHYSICIANS AND SURGEONS, CHARLES, NEW YORK, N.Y.; 1/68-8/69, RENEWAL, FY 68, $18,808. NINDS
THIS RESEARCH CONCERNS THE STUDY OF NEURONS OF THE CEREBRAL CORTEX (STAINED BY GLUT1) IN A SERIES OF MAMMALS INCLUDING TUPAIA AND OPOSSUM. FROM THESE OBSERVATIONS THE PHYLOGENY OF THESE CELLS WILL BE CONSTRUCTED. THE COMPARATIVE MORPHOLOGY OF THE CORTICOCORTICAL AND CORTICOSPINAL FIBERS AND VISUAL PATHWAYS TO THE CORTEX ARE BEING STUDIED IN TUPAIA GLIS AND SOME LOWER PRIMATES.
A385 PHYSIOLOGY OF NORMAL AND ABNORMAL GROWTH AMINO ACIDS HD4588-01; NYHAN, WILLIAM L.; UNIVERSITY OF CALIFORNIA, SAN DIEGO, CALIFORNIA; 6/69-5/74; INITIAL; $29,682; NICHD
THIS RESEARCH INBOVES THE STUDY OF A LARGE NUMBER OF VARIABLES IN CHILDREN WITH HOMOGENEOUS TYPES OF GROWTH FAILURE AND IN CONTROL CHILDREN IN WHOM GROWTH IS NORMAL. MAJOR EMPHASIS WILL BE PLACED ON INTRAUTERINE GROWTH FAILURE AND ON VITAL INHIBITION OF HUMAN GROWTH.
A390 PHYSIOLOGICAL RESIDUA OF LUNG INFECTIONS IN CHILDREN HD3803-01; WISEMAN, DANIEL H.; LOS ANGELES COUNTY DEPARTMENT OF HOSPITALS; LOS ANGELES, CALIFORNIA; 12/66-11/71; INITIAL; $26,874; NICHD
THE PURPOSE OF THIS RESEARCH IS TO DESCRIBE THE PHYSIOPATHOLOGY OF SPECIFIC LOWER RESPIRATORY INFECTIONS IN CHILDREN AND TO DETERMINE WHETHER SIGNIFICANT RESIDUAL EFFECTS MAY PERSIST AFTER A SINGLE ACUTE EPISODE. THE ULTIMATE GOAL IS TO DEFINE THOSE ABNORMALITIES OF PULMONARY FUNCTION ASSOCIATED WITH ACUTE LOWER RESPIRATORY INFECTIONS IN ORDER THAT CLINICAL AND ROUTINE LABORATORY PROCEDURES COULD BE EMPLOYED TO TAILOR THE MOST EFFECTIVE RESPIRATORY CARE TO EACH INDIVIDUAL PATIENT.
A395 PLANNING GRANT, STUDY OF NEONATAL HYPERBILIRUBINEMIA, NS-7936-01, DRORBAUGH, JAMES E., CHILDREN'S HOSPITAL MEDICAL CENTER, BOSTON, MASS., 11/67-2/69, INITIAL, FY 68, $6,000. NINDS
THE PURPOSE OF THIS RESEARCH IS TO EXPLORE THE VALUE AND FEASIBILITY OF A PAIRED GRANT PROGRAM FOR THE STUDY OF NEONATAL HYPERBILIRUBINEMIA RESULTING FROM HYPERBILIRUBINEMIA IN THE NEWBORN PERIOD.
A400 PRE-NATAL AND POST-NATAL MONOAMINES IN BRAIN AND HEART. NS-7124-01, 12/68-6/69, RENEWAL, $25,762. NINDS

This research concerns causal mechanisms as a basis for specific and non-specific defects of the central nervous system. This study is oriented toward a total body approach in relation to specific and associated anomalies as a syndromic condition.

A405 PRODUCTION OF ABNORMAL MOVEMENTS OF NEUROLOGIC ORIGIN (6282-03) METTLER, FRED A., COLUMBIA UNIVERSITY COLLEGE OF PHYSICIANS AND SURGEONS, NEW YORK, N.Y., 6/69-5/70, RENEWAL, $19,900. NINDS

This research concerns the elucidation of the mechanisms, damage of which results in abnormal movements such as tremors or choreoathetosis and with changes in motor innervation leading to restrictions of joint action.

A410 PSYCHOSOCIAL DEVELOPMENT IN PRIMATES HD3915-01; MASON, WILLIAM A; TULANE UNIVERSITY; NEW ORLEANS, LOUISIANA, 9/68-8/73, INITIAL; $128,390. NICHD

In this research, devices will be used to simulate selected properties of real social objects in an effort to clarify the congenital patterns of behavior, specific features of the social environment and psychosocial development. Particular attention will be directed toward two issues: the role of perceptual factors in the formation of filial attachment, and the effects of different kinds and amounts of social stimulation on social and emotional development.

A415 PULMONARY CAPILLARY FLOW IN INFANTS HD4067-01; BRADY, JUNE P.; UNIVERSITY OF CALIFORNIA; SAN FRANCISCO, CALIFORNIA; 9/69-1/72, INITIAL; $18,766. NICHD

The purpose of this study is to obtain serial measurements of pulmonary capillary flow in normal and sick infants. The changes in pulmonary capillary flow that occur in normal infants during the first two weeks of life will be determined. In infants with respiratory distress, the question of whether reduction in pulmonary blood flow occurs early or late will also be investigated. Methods will be developed for evaluating the effects of therapy.

A420 RADIATION AND MORPHOLOGIC AND BEHAVIORAL DEVELOPMENT, NS-3861-07; LICATA, ALBERT W.; UNIVERSITY OF NEW MEXICO, 12/68-11/69, INITIAL; $29,935. NINDS

This research concerns the effects of radiation, various environmental factors, and maternal genes on the development of structure and function of the nervous system. Alterations in structure are studied from a histomorphogenetic viewpoint, sometimes using tritiated thymidine autoradiographic monitoring, and the effects of different deleterious factors are compared.

A425 RADIOCOPPER AND RADIIRON STUDIES IN WILSON'S DISEASE, NS-7102-03, 0'REILLY, SEAN; UNIVERSITY OF CALIFORNIA SAN FRANCISCO MEDICAL CENTER, SAN FRANCISCO, CALIFORNIA, 1/69-12/69, RENEWAL, $29,935. NINDS

This research proposes to investigate copper and iron metabolism using radioactive tracers, in homozygotes and heterozygotes of Wilson's disease.

A430 RED CELL AND SERUM FACTORS AS GENE MARKERS IN CHILDREN HD-02723-03, DIAMOND, LOUIS K., BLOOD STOPPING LABORATORY OF BOSTON, INC.; BOSTON, MASS., 12/68-11/69, RENEWAL $50,111. NICHD

This research proposes to determine the location of structural and/or refractory genes on human autosomes using 30 or more red cell agglutinogens and 10 or more plasma protein types. The blood samples will be obtained from patients with chromosomal aberrations characterized by either extra or deficient chromosomal material.

A435 ROLE OF BRANCHED CHAIN AMINO ACIDS IN BRAIN MATURATION, NS-7588-02, COPENHAVER, JOHN H., UNIVERSITY OF NEBRASKA, LINCOLN, NEBR., 9/68-8/69, RENEWAL $10,830. NINDS

This research will study the mechanism of action of the branched chain amino acids leucine, isoleucine, and valine in myelin and lipid maturation in brains of young rats.

A440 SEROTONIN AND GANGLIOSIDES IN BRAIN DEVELOPMENT, NS 8030·01, WILD, GAYNOR C.; UNIVERSITY OF NEW MEXICO MEDICAL SCHOOL, ALBUQUERQUE, NEW MEXICO, 12/68-11/69, INITIAL, $24,222. NINDS

Research for further clarification of the relationship between mental retardation of Galactosemia and serotonin function by isolation and characterization of normal brain gangliosides exhibiting activity in bioassay for serotonin receptor in Galactosemic rats.

A445 SEX LINKED TRAITS IN TURNERS SYNDROME-FAMILY STUDY HD3742·01; GARRON, DAVID C.; PRESBYTERIAN-ST LUKES HOSPITAL, CHICAGO, ILLINOIS, 11/68-10/70, INITIAL, $17,087. NICHD

This research is concerned with the hypothesis that spatial and numerical abilities are traits whose inheritance is monozygous, sex-linked, and recessive. This is being done by determining the distribution of these abilities in families in which one phenotypic female sibling possesses an X sex chromosome complement (Turner's syndrome), mothers, fathers, normal brothers, and normal sisters of the sib with Turner's syndrome will be tested.

A450 STRUCTURAL AND DEVELOPMENTAL GENES IN CHILDREN HD-02723-03, GEORGE, EMIL; CHILDREN'S HOSPITAL MEDICAL CENTER, BOSTON, MASS., 11/69-27/0, RENEWAL $30,921. NICHD

This research proposes to determine the organization of genes (both structural and developmental genes) on the human chromosomes, specifically the correlation of individual genetic loci and linkage groups with the morphologically identifiable chromosomes to which they are linked.

A455 STUDIES IN TAY-SACHS DISEASE, NS-5124-06, BALINT, JOHN A.; ALBANY MEDICAL COLLEGE, ALBANY, NEW YORK, 1/69-12/69, RENEWAL, $28,587. NINDS

This research concerns hemoglobin free red cell ghosts prepared from normal subjects, heterozygous carriers of the Tay-Sachs trait and patients with Tay-Sachs disease. The ghosts will be analyzed for hexosamine content amino-acid composition and total nitrogen and will be used to fractionation procedures to isolate the (structural) proteins, and a glycoprotein fraction.

A460 STUDY OF BRAIN GANGLIOSIDES, NS-4834-06, LEDENE, ROBERT W., ALBERT EINSTEIN COLLEGE OF MEDICINE OF Yeshiva University, Bronx, New York, 9/68-8/69, RENEWAL, $28,587. NINDS

This research proposes to study brain lipid chemistry.

A465 STUDY OF COPPER PROTEINS IN NORMAL AND DISEASED BRAIN, NS-1733-11, PORTER, HUNTINGTON, NEW ENGLAND CENTER HOSPITAL, BOSTON, MASS., 9/68-8/69, RENEWAL, $28,457. NINDS

This research aims to obtain information on the copper proteins present in normal brain and in immature and adult liver and their biological functions, and the types of organic combination in which copper is present in pathological brain and liver.

A470 STUDY OF DIFFUSE DEGENERATIVE CNS DISEASES, NS-4607·06, ZEEMAN, WOLFGANG INDIANA UNIVERSITY MEDICAL CENTER, INDIANAPOLIS, INDIANA, 1/69-12/69, RENEWAL, $42,207. NINDS

This research concerns brain biopsies taken from carefully selected and exhaustively examined patients suffering from chronic progressive diseases. Psychometric tests, IQ's, lipid histochimistry, and histo-chemistry.

A475 STUDY OF HEREDITARY NEUROMUSCULAR DISEASES, NS-6493-03, SCHEINBERG, ADAM; ALBERT EINSTEIN COLLEGE OF MEDICINE, Yeshiva University, Bronx, N.Y., 6/68-8/69, RENEWAL, FY 68, $101,443. NINDS

This research is collecting genetically oriented information and analyzing blood from young children to detect 1. Wilson's disease 2. Gaaminaglobulinemia 3. Hereditary angnieroeutic edema.
A480 STUDIES IN GENETICALLY-DETERMINED NEUROLOGICAL DISEASES, NS-7701-03, (FORMERLY 3255-07), ARDITI, JAMES L., UNIVERSITY OF COLORADO MEDICAL CENTER, DENVER, COLO., 9/68-8/69, RENEWAL, $52,530. NINDS

This research proposes to clarify the cause of several genetically determined disorders of myelination, particularly metachromatic leukodystrophy and globoid (Krabbe) leukodystrophy. The studies are biochemical, histological, clinical, and genetic in scope.

A485 TERAPOLOGICAL STUDIES WITH INBRED MICE HD-03502-02, KALTER, HAROLD, CHILDREN'S HOSPITAL RESEARCH FDN., CINCINNATI, OHIO, 5/69-7/71, RENEWAL, $18,782. NICH

This study is concerned with extrinsically induced and spontaneous malformations in mice. Hereditary and non-hereditary factors of susceptibility will be investigated.

A490 THE GROWTH OF CULTURED HUMAN FIBROBLASTS USING POLYSTYRENE BEADS AS HEMATOCORRECTIVE AGENTS, NS-03512-02, TABB, JAMES, UNIVERSITY OF MIAMI, MIAMI, FLA., 9/68-8/69, RENEWAL, $18,745. NIMH

This research proposes to investigate the role of concepts in problem solving in nursery school age children.

A495 THE PATHOGENESIS OF HEREDITARY NEUROLOGICAL DISORDERS, NS-6448-04 MEIER, HANS, JASON LABORATORY, BAR HARBOR, MAINE, 1/59-12/69, RENEWAL, $31,932 NINDS

This research studies the analogies and the differences between human and mouse neurological and neuromuscular diseases. Studies of pathogenesis and pathological lesions are being done.

A500 THE ROLE OF THE THYROID GLAND IN BRAIN METABOLISM, (1) NS-6859-03, (2) NS-6859-03SI, ARCHIBALD, REGINALD W., ROCKFELLER UNIVERSITY, NEW YORK, N.Y., 9/68-12/69, RENEWAL (1) $30,054, (2) $7,803. NINDS

This research concerns the role of the thyroid gland in brain tissue oxidative metabolism. Oxidative phosphorylation, biosynthesis of acetylcholine, and the activity of cholinesterase in brain tissue (role of electrolytes) and the effect of the thyroid on amino acid incorporation into brain protein.

A505 THIAMINE METABOLISM IN LOW BIRTH WEIGHT INFANTS HD-3908-01, BEARD, ALICE GAMBLE, UNIVERSITY OF ARKANSAS, LITTLE ROCK, ARKANSAS, 9/68-8/71, INITIAL $20,878, NICH

This study is an investigation of the effect of immaturity with or without associated perinatal disturbance and thiamin deficiency. For this purpose, the neonatal period, the following subjects will be studied: infants who have perinatal problems such as anoxia, acidosis, and hypoglycemia; infants with birth defects; infants of diabetic or toxemic mothers; and infants who are small for their gestational age.

A510 THREE PROBLEMS IN EXPERIMENTAL PATHOLOGY, NS-3670-08, VOGEL, RUSSELL M., DUKE UNIVERSITY, DURHAM, NORTH CAROLINA, 6/68-5/69, RENEWAL, FY 68, $43,934. NINDS

This research concerns the count of mitochondria of agametic Campestris established in extracellular cultures using polystyrene beads as the marker and for visualization, diphasic growth was observed wherein a several-fold increment occurred during the first 2 days, followed by a decrease and then by a further nuclear disease during days 4 and 2. Although nuclear acid synthesis was demonstrated during the early phase, protein synthesis was largely confined to the latter.

A515 THYROID FUNCTION IN THE FETUS AND NEWBORN HD-4270-01, FISHER, DELBERT ARTHUR, LOS ANGELES COUNTY HARBOR GENERAL HOSPITAL, TORRANCE, CALIFORNIA, 6/66-5/72, INITIAL, $60,013. NICH

These studies utilize the fetal and newborn lamb as experimental models for the examination of thyroid and pituitary physiology. It is believed that these studies will further the understanding of mechanisms for adaptation to extrauterine life and will contribute to the handling of thyroid disorders during gestation and to the care of the newborn. Some of these disorders have profound effects on brain maturation.

A520 TISSUE CULTURE IN HEREDITARY DISORDERS HD-4252-01, NADLER, HENRY L., CHILDREN'S MEMORIAL HOSPITAL, CHICAGO, ILLINOIS, 5/69-4/72, INITIAL, $11,934. NICH

Cultivated cells obtained from patients with various genetic disorders will be utilized in an attempt to define tissue differentiation potentials for demonstration of the intracellular defect, to determine which substances are responsible for the correction of the defect in the culture, to relate the cellular defect to the clinical manifestations, and to detect the heterogeneous in order to provide more precise genetic counseling.

A525 TRANSFER OF VIRAL INFECTIONS ACROSS THE PLACENTA HD-02289-03, HILDEBRANDT, RICHARD J., UNIVERSITY OF FLORIDA, GAINESVILLE, FLA., 7/68-6/69, RENEWAL, $1,247. NICH

This research focuses on the transfer of cytomegalovirus across the placenta in various species of mammals using virologic techniques which are being used in the laboratory of the section on infectious diseases. Evidence has implicated this virus in infections of both the fetus and the newborn.

A530 VIRAL HEMORRHAGIC ENCEPHALITIS, NS-7019-01, NATHANSON, NEAL, JOHNS HOPKINS UNIVERSITY SCHOOL OF HYGIENE AND PUBLIC HEALTH, BALTIMORE, MARYLAND, 2/69-7/70, RENEWAL, $1,621. NINDS

This research proposes to characterize the physical, chemical, antigenic, and biological properties of the virus agent, and to study the pathogenesis of hemorrhagic encephalitis produced by the viral agent, exploiting the unique opportunity presented by what may be the first isolation of a mammalian virus which regularly produced hemorrhagic encephalitis.

A535 VIRUS-CELL INTERACTION REPLICATION AND DIFFERENTIATION, NS-5545-05, MARGOLIS, GEORGE, DARTMOUTH MEDICAL SCHOOL, DURHAM, NEW HAMPSHIRE, 1/69-12/69, RENEWAL, $78,288. NINDS

This research concerns a group of picornavirus viruses which exhibit a propensity for cells with active DNA synthesis attending mitosis. These viruses exert a remarkably selective action on the developing nervous system, attacking particularly the actively proliferating external neural layer of the cerebellum, and producing ataxia because of a hypoplasia of the granular layer.

EPIDEMIOLOGY

B005 EPIDEMIOLOGY OF MENTAL RETARDATION IN A RURAL COUNTY H-34 INRE. PAUL D. JOHNS HOPKINS UNIVERSITY, BALTIMORE, MARYLAND, 12/68-6/70, RENEWAL, $50,000. SERCH

This research proposes to uncover every case of mental retardation in an enumerated and clinically screened population. The project will be carried out in Maryland. Households with a retarded person will be extensively investigated concerning economic, medical, educational, and vocational variables and will be compared with control households.

B010 HUMAN CHROMOSOMAL DEFECTS EPIDEMIOLOGY & ETIOLOGY HD-10622-03AI ROBINSON, ARTHUR, UNIVERSITY OF COLORADO, DENVER, COLO., 7/68-6/70, RENEWAL $19,666. NICH

This research proposes to study the frequency of occurrence of chromosomal abnormalities in human and mammalian cells in vitro and in vivo to determine causative agents and their mode of action, and to establish chromosomal markers which will permit analysis of these actions.

B015 SOCBEBHAVIORAL STUDY CENTER FOR MENTAL RETARDATION (MH-8667-05) DINGMAN, HARVEY F., PACIFIC STATE HOSPITAL, POMONA, CALIFORNIA, 10/69 RENEWAL, $468,109. NIMH

This research proposes to study the prognosis of the mentally retarded individual in his development as related to institutional life. His interaction with his family and with greater social structures in the community.

B020 THE EPIDEMIOLOGY OF MATERNAL-NEONATAL INFECTIONS HD-14959-01, ALEXANDER, E. RUSSEL, UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON, 9/68-8/72, INITIAL, $69,409. NICH
RESEARCH AND DEMONSTRATION GRANTS, 1969

THESE STUDIES ARE DESIGNED TO EVALUATE THE IMPACT OF CERTAIN MATERNAL INFECTIONS DURING PREGNANCY, TO DEFINE THE EPIDEMIOLOGICAL PATTERN OF THEIR OCCURRENCE, AND TO DETERMINE THE RISK AND CHARACTER OF INFECTIOUS DISEASE IN THE INFANT. INITIAL STUDIES ARE PRIMARILY CONCERNED WITH CYTOMEGALOVIRUS, HERPESVIRUS, AND TRACHOMA-INCLUSION CONJUNCTIVITIS AGENTS.

B025 WORKSHOP ON HEREDITARY NEUROMUSCULAR DISEASES, 7/67-12/69, CHARLES A. NATIONAL FOUNDATION FOR NEUROMUSCULAR DISEASES, INC., NEW YORK, N.Y., 6/67-5/69, INITIAL, FY 67, $20,000, NINDS.

PATHOPHYSIOLOGY

C005 ABNORMAL AMINO ACID METABOLISM IN MENTAL RETARDATION HD-01326-05 GREER, MELVIN, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA. 1/69-12/69 RENEWAL $13,080, NICH.

C010 A CENTER FOR RESEARCH IN HUMAN LEARNING HD-01136-05 DARLEY, JOHN G., UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN. 9/68-8/72 RENEWAL $120,862, NICH.

C015 AMINE METABOLISM IN PKU AND MENTAL DISORDERS HD4113-01; BLAU, KARL F.; UNIVERSITY OF NORTH CAROLINA; CHAPEL HILL, NORTH CAROLINA; 2/69-6/72, INITIAL, $34,926, NICH.

C020 AMINO ACID INTERRELATIONS IN HUMAN METABOLIC DISEASE; HD-02690-06) NICH.

C025 AMNIOTIC FLUID CONSTITUENTS IN FETAL ERYTHROBLASTOSIS HD-02239-04 CHERRY, SHELTON N., MT. SINAI SCHOOL OF MEDICINE, NEW YORK, NY 6/69-5/70, RENEWAL, $34,900, NICH.

C030 BACTERIURIA IN THE PREMATURE INFANT HD-01382-02, HODGMAN, JOAN E., LOS ANGELES COUNTY DEPT OF HOSP, LOS ANGELES, CALIF., 4/69-3/72, RENEWAL, $43,832. NICH.

C035 BASIC CORRELATES OF NEONATAL SUCKING BEHAVIOR HD-02458-03 KAYE, HERBERT, EMORY UNIVERSITY, ATLANTA, GEORGIA, 1/69-12/69 RENEWAL $38,731, NICH.

C040 BEHAVIOR FOLLOWING REARING IN A RANDOM ENVIRONMENT HD-02325-03 MILES, RAYMOND C., UNIVERSITY OF COLORADO, BOULDER, COLO., 1/68 9/69 RENEWAL $22,415, NICH.

C045 BEHAVIOR IN THE PROGENY OF UNDERFED MOTHERS HD-02984-03, CHOW, BACON F., JOHNS HOPKINS UNIVERSITY, BALTIMORE, MARYLAND, 6/69-5/72 RENEWAL $26,374, NICH.

C050 BILIRUBIN DISPOSITION IN THE NEWBORN, NS-5841-05, SCHENKER, STEVEN, UNIVERSITY OF TEXAS SOUTHWEST MEDICAL SCHOOL, DALLAS, TEXAS, 9/69-4/70, RENEWAL, FY 68, $29,239, NINDS.

C055 BILIRUBIN METABOLISM DURING THE PERINATAL PERIOD HD-01348-02, THALER, M. MICHAEL, UNIVERSITYOF CALIFORNIA, SAN FRANCISCO, CALIF., 2/69-3/70 RENEWAL, $49,949, NICH.

C060 BIOCHEMICAL AND ANIMAL STUDIES IN MENTAL RETARDATION HD-00341-09 WAISMANN, HARRY AARON, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN, 6/69-3/70 RENEWAL, $147,330, NICH.

C065 BIOCHEMICAL AND MOLECULAR BASIS OF MENTAL DISEASE HD-01594-05, SHAW, KENNETH N.F., CHILDRENS HOSPITAL OF LOS ANGELES, LOS ANGELES, CALIFORNIA, 6/69-5/70 RENEWAL $97,170. NICH.

C070 BIOCHEMICAL CORRELATES OF CHROMOSOMAL ANOMALIES HD-02044-03 PAINE, RICHMOND S., CHILDRENS HOSPITAL OF D.C., WASHINGTON, D.C., 8/68-7/69 RENEWAL $36,149, NICH.

C085 PREMATURE INFANT HD-00341-09 WAISMANN, HARRY AARON, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN, 6/69-3/70 RENEWAL, $147,330, NICH.

C090 PATHOPHYSIOLOGY OF CERTAIN DISORDERS OF GASEOUS LIQUID CHROMATOGRAPHY, OF CERTAIN DISORDERS OF METABOLIC ORIGIN CAUSING CEREBRAL DYSFUNCTION SERVED BY A CENTER FOR RESEARCH IN HUMAN LEARNING.

C105 DEVELOPMENTAL CHANGES IN LEARNING HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C110 SCHIZOPHRENIA, THIS RESEARCH CONCERNS THE DEVELOPMENTAL CHANGES IN LEARNING HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C115 DISORDERS, PARTICULARLY GALACTOSEMIA AND CHOLESTEROL; HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C120 HEPATIC ENCEPHALOPATHY; HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C125 RENAL ENCEPHALOPATHY; HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C130 PSYCHOLOGICAL ASPECTS OF LEARNING HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C135 BEHAVIORAL AND INTELLIGENCE HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C140 RENAL ENCEPHALOPATHY; HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C145 PSYCHOLOGICAL ASPECTS OF LEARNING HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C150 BEHAVIORAL AND INTELLIGENCE HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C155 RENAL ENCEPHALOPATHY; HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C160 PSYCHOLOGICAL ASPECTS OF LEARNING HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C165 BEHAVIORAL AND INTELLIGENCE HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C170 RENAL ENCEPHALOPATHY; HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.

C175 PSYCHOLOGICAL ASPECTS OF LEARNING HD-01313-05 MEARS, LEONARD L., UNIVERSITY OF TEXAS, AUSTIN, 6/69-5/72, RENEWAL, $36,990, NICH.
C075 BIOCHEMICAL DEFECTS RELATED TO CONGENITAL ANOMALIES HD-03448-02, SCHAFER, JERWIN A., CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO, 9/68-8/73, RENEWAL, $48,443. NICH

THIS RESEARCH PROPOSES TO GAIN AN UNDERSTANDING OF THE MOLECULAR MECHANISMS OF ACTION OF TERATOGENIC AGENTS, AND RELATE THIS TO THE PRODUCTION OF SPECIFIC HUMAN MALFORMATIONS.

C080 BIOCHEMICAL STUDIES OF MYELINATION, NS 5300-05, (NOW NS 8719-01), MCKNAN, GUY M., JOHNS HOPKINS HOSPITAL, BALTIMORE, MD., 1/60-1/69, RENEWAL, $16,630. NINDS

INVESTIGATING THE SYNTHESIS OF LIPID COMPONENTS OF MYELIN BY THE ISOLATION AND CHARACTERIZATION OF ENZYMES OF BRAIN INVOLVED IN THE SYNTHESIS OF INDIVIDUAL LIPIDS, PARTICULARLY GALACTOSIPIDS, AND THE CHARACTERIZATION OF SOLUBLE LIPROTEINS OF BRAIN.

C085 BIOCHEMISTRY OF SPHINGOSINE AND SPHINGOLIPIDS, NS-6770-03, MOSCA-TELLI, EZIO A., UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL SCHOOL, DALLAS, TEXAS, 9/68-470, RENEWAL, $10,976. NINDS

THIS RESEARCH FOCUSES UPON SPHINGOSINE BASE COMPOSITION AND OTHER COMPOSITIONAL DATA TO BE ACCUMULATED ON SPHINGOLIPIDS OF NORMAL MATURE, NORMAL IMMATURE, AND DISEASED HUMAN BRAIN. SIMILAR STUDIES WILL BE MADE OF SPHINGOLIPIDS OF NERVOUS AND OTHER TISSUES OF VARIOUS SPECIES.

C090 BIOLOGIC EFFECTS OF ABO HETEROSPECIFIC PREGNANCY, (1) HD-01461-111, (2) HD-01461-13, KAPLAN, EUGENE, SANAI HOSPITAL OF BALTIMORE, BALTIMORE, MD., (1) 3/68-3/70, (2) 4/69-3/70, RENEWAL (1) $6,570, (2) $24,986. NICH

THIS RESEARCH CONCERNS THE SIGNIFICANCE OF REDUCED RED CELL ACETYLCHOLINESTERASE ACHE ACTIVITY IN NEW-BORN INFANTIC PREGNANCY SPECIFIC PREGNANCY UNDER CONTINUED INVESTIGATION BY CLINICAL, BIOCHEMICAL, AND ANIMAL STUDIES.

C095 BIOSYNTHESIS OF PULMONARY SURFACE ACTIVE LIPIDS HD-02554-03, MORGAN, THOMAS E., JR., UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON, 9/68-8/69, RENEWAL, $23,377. NICH

THIS RESEARCH PROPOSES TO ISOLATE AND CHARACTERIZE THE ENZYMES, TO STUDY THE PARAMETERS INFLUENCING ITS ACTIVITY, TO RELATE ITS ACTIVITY TO SURFACTANT LEVELS AND TO INVESTIGATE THE INFLUENCE OF GESTATIONAL AGE, ACIDOSIS, HYPOXIA, TEMPERATURE AND RELATED FACTORS ON ITS ACTIVITY IN VITRO AND IN VIVO.

C100 BRAIN BARRIER SYSTEM MECHANISMS FOR AMINO ACIDS, NS-4360-07, LAJITHA, ABEL, RESEARCH FOUNDATION FOR MENTAL HYGIENE, INC., ALBANY, N.Y., 1/69-12/69, RENEWAL, $33,883. NINDS

THE PURPOSE OF THIS RESEARCH IS TO INVESTIGATE THE BASIC MECHANISMS OF AMINO ACID TRANSPORT AND THE MECHANISMS BY WHICH TRANSPORT IS ALTERED.

C105 BRAIN DEVELOPMENT IN NORMAL AND MUTANT MICE, NS-3365-08, (COMBINED WITH NB 4792-05 TO NOW FORM NS 8359-01) SIDMAN, RICHARD L., HARVARD MEDICAL SCHOOL, BOSTON, MASS., 1/69-12/69, RENEWAL, $13,852. NINDS

THE RESEARCH INVOLVES THE STUDY OF MICE WITH INHERITED DISEASES OF THE BRAIN, PARTICULARLY DISEASES THAT AFFECT THE BRAIN WHILE IT IS FORMING. THE BEHAVIOR OF DEVELOPING BRAIN CELLS IS ANALYZED IN ORDER TO GIVE NEW IDEAS ON NORMAL BRAIN DEVELOPMENT AND TO SUGGEST MECHANISMS OF HUMAN DISEASES CAUSING MENTAL RETARDATION.


THIS RESEARCH PROPOSES TO DETERMINE THE INFLUENCE OF ENVIRONMENTAL CHANGES, AND OF RESPONSES TO THESE CHANGES, ON THE METABOLISM OF MACROMOLECULES OF THE CENTRAL NERVOUS SYSTEM. THE ULTIMATE GOAL IS TO DETERMINE THE FUNCTIONS OF RNA AND PROTEIN IN LEARNING, MEMORY, HORMONAL RESPONSE AND MOTIVATION.

C115 BRAIN FUNCTION IN METABOLIC DISORDERS, NS-4928-05, POSNER, JEROME B., CORNELL UNIVERSITY MEDICAL COLLEGE, NEW YORK, N.Y., 9/68-8/69, RENEWAL, FY 68, $29,165. NINDS

THIS RESEARCH PROPOSING TO INVESTIGATE IN METABOLIC DISEASES RELATIONSHIPS BETWEEN THE BRAIN'S BEHAVIORAL, ELECTRICAL AND BIOCHEMICAL FUNCTION AND SYSTEMIC CHEMICAL ABNORMALITIES.

C120 CENTER FOR NORMAL AND ABERRANT ADAPTIVE DEVELOPMENT HD-02081-03, BIRCH, HERBERT G., Yeshiva University, New York, N.Y., 10/68-9/73, RENEWAL $330,639. NICH

THIS RESEARCH CONCERNS THE ANALYSIS OF PROCESSES UNDERLYING NORMAL AND ABERRANT BEHAVIORAL DEVELOPMENT. WE HAVE CONDUCTED EXPERIMENTAL, OBSERVATIONAL AND EPIDEMIOLOGIC INQUIRIES RELATING TO FACTORS AFFECTING NEUROLOGICAL AND BEHAVIORAL DEVELOPMENT. CENTRAL TO ALL THE INVESTIGATIONS HAS BEEN THE ANALYSIS OF PERCEPTUAL AND MOTOR DIFFERENCES IN CHILDREN AND THE RELATION OF SUCH DEVELOPMENT TO THE ACQUISITION OF LEARNING SKILLS AND TO THE CONTROL OF BEHAVIOR.

C125 CENTRAL NERVOUS SYSTEM SEQUELAE OF PREMATURE HD-02081-01, GOLDMAN, HERBERT I., LONG ISLAND JEWISH HOSPITAL, NEW HYDE PARK, NEW YORK, 1/69-12/69, RENEWAL, $27,548. NICH

THIS RESEARCH PROPOSES TO DETERMINE WHETHER THERE ARE ANY DIFFERENCES IN THE INCIDENCE AND SEVERITY OF CENTRAL NERVOUS SYSTEM SEQUELAE BETWEEN THE 2 AND 4% PROTEIN DIET GROUPS AND TO STUDY THE RELATIONSHIP BETWEEN CLINICAL PARAMETERS OBTAINED DURING THE INFANTS STAY IN THE PREMATURE NURSERY AND THE LATER PRESENCE OR ABSENCE OF CENTRAL NERVOUS SYSTEM SEQUELAE.

C130 CELL ORGANELLE DYSFUNCTION IN NEUROLOGICAL DISEASE, NS-8276-01, HERMAN, MARY M., STANFORD UNIVERSITY, STANFORD, CALIF., 2/69-1/70, INITIAL, $37,024. NINDS

RESEARCH ON CELL ORGANELLE DYSFUNCTION IN METABOLIC AND 'DEGENERATIVE DISEASES INCLUDING GLYCOCEN STORAGE DISEASE TYPE II, METACHROMATIC LEUKODYS­ TROPHY, GARGYLOMATISM, AND TARSAH'S DISEASE AS WELL AS KRAEBES DISEASE AND JUVENILE LIPIDOSIS ASSOCIATED WITH LYSOSOMAL ABNORMALITY.

C135 CEREBRAL ENZYMES IN NORMAL AND CONVULSIVE STATES, NS-6294-04, SELLINGER, O.Z., UNIVERSITY OF MICHIGAN SCHOOL OF MEDICINE, ANN ARBOR, MICH., 6/69-5/70, RENEWAL, $55,195. NINDS

THIS RESEARCH INVOLVES DELINEATION OF THE MODE OF ATTACHMENT OF CEREBRAL GLUTAMINE SYNTHETASE TO SUB­CELLULAR MEMBRANES, INVESTIGATING THE DIVERSITY IN SUBCELLULAR LOCALIZATION OF CEREBRAL LYSOSOMAL HYDROLASES AND STUDY OF THE MECHANISMS WHEREBY METHIONINE SULFONIMINE, A CONVULSANT WITH PERIODIC ACTION INACTIVATES THE ENZYME GLUTAMINE SYNTHETASE.

C140 CEREBROVASCULAR RESPONSE TO EMBRYONIC OVERGROWTH HD-01679-04, BURDA, DORIS J., STANFORD UNIVERSITY, STANFORD, CALIF., 2/69-8/69, RENEWAL, $24,628. NICH

THIS RESEARCH CONCERNS DEVELOPMENTAL INTERRELATION­SHIPS BETWEEN THE CEREBROVASCULAR SYSTEM AND THE EMBRYONIC BRAIN. A STUDY WILL BE MADE OF CHANGES IN THE INTRACRANIAL ARTERIAL PATTERN IN THE BRAINS OF CHICK EMBRYOS.


THIS RESEARCH IS CONCERNED WITH THE DEVELOPMENT OF A CLINICALLY USEFUL CHEMICAL INDEX OF FETAL STATUS IN UTERO VIA ACID BASE MEASUREMENTS OF AMNIOTIC FLUID AND FETAL CAPILLARY BLOOD DURING LABOR.

C150 CHEMICAL STUDY OF CONGENITAL MENTAL DEFECTS HD-00195-11, HOLT, L., EMMETT, JR., NEW YORK UNIVERSITY, NEW YORK, N.Y., 9/68-8/71, RENEWAL, $38,694. NICH

THIS RESEARCH CONCERNS DIET THERAPY AND CLOSE OBSER­VATION OF CHILDREN MORTALLY UNDERNOURISHED FOR MAPLE SYRUP URINE DISEASE. THE FORMATION OF AL­LOSOULFURIC ACID AFTER A LOAD OF ISOSULFURIC WILL BE IN­VESTIGATED AS A POSSIBLE MEANS OF DIFFERENTIATING THE HETEROZYGOUS CARRIER OF THE DISEASE FROM THE NORMAL.

C155 CNS MATURATION & EVOKE RESPONSES IN PREMATURE INFANT HD-01403-04S1, WEITZMAN, ELLIOT D., Yeshiva University, New York, N.Y., 1/69-6/69, RENEWAL, $7,560. NICH

THIS RESEARCH PROPOSES TO CORRELATE THE ELECTRO­ENCEPHALOGRAPHIC FINDINGS, SENSORY EVOKE RESPONSES
AND BEHAVIORAL MATURATION OF THE PREMATURELY BORN INFANT AND DETERMINE THE RELATIONSHIP BETWEEN THESE MEASUREMENTS AND THE CONCENTRATIONS IN BLOOD OF A NUMBER OF AMINO ACIDS AFFECTED BY RENAL AMINE ACID CLEARANCES AND BY VARIATIONS IN DIETARY INTAKE OF PROTEIN, ASCORBIC ACID, AND OTHER VITAMINS.

**C160 COGNITION & ATTITUDE IN TURNERS SYNDROME**

THIS RESEARCH PROPOSES A STUDY OF INTELLUCTUAL FUNCTIONING IN TURNER'S SYNDROME. A GROUP OF ANOMALIC CASES (10-18 YEARS) IS BEING SELECTED TO APPRAISAL CHROMOSOMAL ABERRATIONS. TO LEARN MORE OF THE NATURE AND DEVELOPMENT OF SPECIAL DISORDERS AND TO CORRELATE A DELIMITED INTELLECTUAL IMPAIRMENT WITH A SPECIFIC CHROMOSOMAL ABBERRATION IS ANTICIPATED.

**C165 CONGENITAL MALFORMATIONS IN MAMMALS**

THIS RESEARCH CONCERNS AND DETERMINE THE RELATIONSHIP BETWEEN THE USE OF VARIOUS TERATOGENS IN RATS, MICE AND RABBITS. CONGENITAL MALFORMATIONS OF CHILDREN ARE INVESTIGATED BY CYTOLOGIC, CYTOGENETIC, HISTOLOGIC AND CYTOSYSTEM METHODS.

**C170 CNS AND NUTRATIONAL INFLUENCES ON AMINO ACIDS IN PKU MR-07002-O5, OLIVER, WILLIAM F., UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH., 12/16/66-12/31/69, RENEWAL, $14,723, SRS-DMR.

**C175 COMMUNICATION DISORDERS OF THE MENTALLY RETARDED, SCHEFFELBUSCH, R.L., UNIVERSITY OF KANSAS, LAWRENCE, KANSAS, (1) HD-00870-0452, (2) HD-00870-06, (1) 4/67-9/70, (2) 10/68-9/70, RENEWAL, (1) $2,357, (2) $313,471, NINDS.

**C180 COMPLEX GLYCOLIPIDS OF BRAIN AND RELATED SYSTEMS**

RESEARCH TO EXPAND KNOWLEDGE AND UNDERSTANDING OF CIDPS BY EMPIRICAL STUDIES ON SPECIFIC ROLES OF GLYCOLIPIDS IN DEVELOPING CELLULAR STRUCTURES AND IN SELECTED MEMBRANE SYSTEMS IN ORDER TO ATTACK THOSE NERVOUS SYSTEM DISEASES INVOLVING DERMAGENS OF LIPID METABOLISM.

**C185 CORRELATIVE REFLEX STUDIES IN MAN AND ANIMALS**

RESEARCH IS CONCERNED WITH THE INTEGRATIVE MECHANISMS ASSOCIATED WITH MYOTACTIC AND CUTANEOUS REFLEX ACTIVITY IN ORDER TO UNDERSTAND FEATURES OF TONE, POSTURE AND VOLUNTARY AND INVOLUNTARY MOVEMENT AND THEIR ALTERATION IN DISEASE, DEVELOPMENT AND AGING.

**C190 CORTICAL DENDRITES, NS-7870-02, (FORMERLY NB-4339-05), COLEMAN, PAUL, UNIVERSITY OF ROCHESTER SCHOOL OF MEDICINE AND DENTISTRY, ROCHESTER, N.Y., 10/68-9/69, RENEWAL, $25,885, NINDS.

**C195 CYTOLOGIC STUDIES IN DISEASES OF THE NERVOUS SYSTEM, NS-2255-11, TERRY, ROBERT D., ALBERT EINSTEIN COLLEGE OF MEDICINE YESHIVA UNIVERSITY, BRONX, N.Y., 12/68-11/69, RENEWAL, $30,874, NINDS.

THIS RESEARCH WILL STUDY THE MORPHOLOGIC, METABOLIC AND CHEMICAL CHANGES OF THE NERVOUS SYSTEM DUE TO INTRAUTERINE FETAL BRAIN DAMAGE INDUCED IN RABBITS. PLAQUE-LIKE LESIONS FOUND IN CHRONIC ANIMALS WILL ALSO BE STUDIED.

**C200 DEVELOPMENT OF HIGH VOLTAGE ELECTROPHORESIS**

USES HD-00400-06, MABRY, C. CHARLTON, UNIVERSITY OF KENTUCKY, LEXINGTON, KY., 2/69-1/70, RENEWAL $14,248, NICH.

THIS RESEARCH INCLUDES DEVIISING HVE MEANS FOR THE RAPID PARTITION OF CERTAIN ORGANIC SUBSTANCES IN BIOLOGIC FLUIDS AND PERFECTING THEIR SUBSEQUENT QUANTITATIVE MEASURE,MENT BY APPROPRIATE COLOR DEVELOPMENT AND DIRECT DENSITYGAUET. THE CLINICAL PHASE OF THE PROJECT INCLUDES THE SCREENING AND STUDYING PATIENTS WITH PERNEUROLOGIC AND METABOLIC DEFICITS POSSIBLY INVOLVING THE ORGANIC SUBSTANCES TO BE MEASURED IN THEIR SERA AND URINE.

**C205 EARLY EXPERIENCE, INTELLUCNTUAL AND ADAPTIVE DEVELOPMENT**

HD-03720-02, DAVENPORT, RICHARD K., JR., EMORY UNIVERSITY, ATLANTA, GA., 6/69-5/71, RENEWAL, $31,155, NICH.

THIS RESEARCH WILL INVESTIGATE THE INTELLUCTUAL AND SOCIAL CONSEQUENCES OF DIFFERENT TYPES OF EARLY ENVIRONMENTS IN CHIMPANZEES.

**C210 EFFECT OF AMINO ACID LEVELS ON PROTEIN BIOSYNTHESIS**

HD-03691-02, RUDOLPH, NATHAN, MAMMONIDES MEDICAL CENTER, NEW YORK, N.Y., 5/69-4/71, RENEWAL, $15,152, NICH.

THIS RESEARCH WILL STUDY THE EFFECT OF HIGH AMINO ACID LEVELS IN THE INCORPORATION INTO PROTEIN OF RADIOACTIVE AMINO ACIDS IN PREPARATIONS FROM LIVER AND BRAIN CELLS OF ANIMALS.

**C215 EFFECT OF AMINO ACIDS ON METABOLISM, EEG AND BEHAVIOR**

HD-01823-07, MCKEAN, CHARLES M., CALIFORNIA STATE DEPT OF MENTAL HYGIENE, ELDREDGE, CALIFORNIA, 4/69-3/73, RENEWAL, $112,023, NICH.

THIS RESEARCH FOCUSES UPON THE THERAPEUTIC SIGNIFICANCE OF THE POSSIBILITY OF A RESULTING QUALITATIVE OR QUANTITATIVE ABNORMALITY OF CEREBRAL PROTEIN SYNTHESIS IN HUMAN CSF AND IN THE CSF AND BRAINS OF PIGS RENDERED HYPERPHENYLALANINEMIC IN INFANCY. PRELIMINARY DATA SUGGESTING ELECTROPHYSIOLOGICAL CHANGES IN THE PRESENCE OF HIGH CSF PHENYLALANINE IS BEING FURTHER STUDIED.

**C220 EFFECT OF GROWTH ON BULK RNA AND A NEW RNA FRACTION, NS-6147-O2, PENN, N. THOMAS, WILLOWBROOK STATE SCHOOL, STATEN ISLAND, N.Y., 2/68-8/69, RENEWAL, FY 68, $11,180, NINDS.

THIS RESEARCH CONCERNS THE STUDY OF THE PARTICIPATION OF DNA IN THE INCORPORATION OF AMINO ACIDS INTO BRAIN PROTEIN.

**C225 EFFECTS OF ACUTE BILIRUBIN INTOXICATION ON THE CNS**

NS-6899-03, SCHUTTA, HENRY S., PENNSYLVANIA HOSPITAL, PHILADELPHIA, PA., 1/69-12/69, RENEWAL, $22,740, NINDS.

THIS RESEARCH PROPOSES TO DEFINE THE MORPHOLOGY OF LESIONS OCCURRING IN ACUTE BILIRUBIN INTOXICATION, SINCE IT APPEARS THAT THE ACUTE TYPE OF BILIRUBIN DAMAGE BEARS A CLOSE RELATIONSHIP TO THE EVENTS OCCURRING IN HUMAN BILIRUBIN INTOXICATION.

**C230 EFFECTS OF VIRUSES ON HUMAN CHROMOSOMES**

HD-02774-03, EISEN, JAMES H., UNIVERSITY OF NEBRASKA, OMAHA NEBR., 10/68-9/69, RENEWAL, $24,619, NICH.

THIS RESEARCH ATTEMPTS TO FURTHER ELUCIDATE THE ROLE OF VIRUSES IN HUMAN MENTAL RETARDATION CONGENITAL MALFORMATIONS AND IN鲱TH OF INTRACELLULAR DEATH BY A SYSTEMATIC STUDY IN VITRO AND IN VIVO OF EFFECTS OF VARIOUS VIRUSES UPON HUMAN CHROMOSOMES AND TO TEST THE IMPACT OF HUMAN CHROMOSOMES OF THE CYTOMEGLIC INCLUSION DISEASE VIRUS, RECENTLY RECOGNIZED AS IMPORTANT IN THE ETIOLOGY OF THE ABOVE ABNORMALITIES.
THIS RESEARCH IS A CONTINUATION OF ELECTROENCEPHALOGRAPHIC OBSERVATIONS ON MATURATIONAL PATTERNS IN EGG INCLUDING RESPONSES TO PHOTIC AND ACOUSTIC STIMULATION IN PREMATURITY AND IN FULL-TERM INFANTS WITH NORMAL AND ABNORMAL NEUROLOGICAL FINDINGS. RACIAL AND SEXUAL DIFFERENCES ALSO ARE BEING EVALUATED.

C240 ELECTRON MICROSCOPY OF LIPIDOSIS, VOLK, BRUNO W., ISAAC ALBERT RESEARCH INSTITUTE OF JEWISH CHRONIC DISEASE, (1) NS-2977-07, (2) NS-2977-07S1, (3) NS-2977-07S2, HOSPITAL, BROOKLYN, NEW YORK, (1) 6/67-12/68, (2) 5/68-12/68, (3) 1/69-5/69, RENEWAL, (1) $24,513, (2) $5,540, (3) $2,718, NINDS

THIS RESEARCH PROPOSES TO DETERMINE WHETHER A CELLULAR DEFICIENCY OF AN ACID HYDROLASE IS BASIC TO THE PATHOGENESIS OF SOME LIPIDOSIS. TO INVESTIGATE THE DEVELOPMENT OF THESE LESIONS TO DETERMINE THEIR MORPHOGENESIS AND RELATIONSHIP TO OTHER CELLULAR ORGANELLES AND TO EVALUATE THE STORAG PROCESS IN SEVERAL STRAINS OF SERIALLY SACRIFICED MICE WITH HEREDITARY STORAGE OR DEMYELINATING DISEASES.


THIS RESEARCH IS CONCERNED WITH THE ULTRASTRUCTURE OF NERVOUS TISSUE ALTERED BY A VARIETY OF EXPERIMENTAL PROCEDURES. STUDY OF THE BRAIN IN DISEASE IS ALSO UNDERWAY.

C250 ELECTRON MICROSCOPY OF NUTRITIONAL ENCEPHALOPATHY, NS-2977-07S2, YOUDELMA, A., ST. LOUIS UNIVERSITY SCHOOL OF MEDICINE, ST. LOUIS, MO., 2/68-8/69, RENEWAL, $23,553, NINDS

THIS RESEARCH PROPOSES TO PRODUCE CEREBELLAR DEGENERATION IN NEWLY-HATCHED CHICKENS BY FEEDING THEM ON DIETS HIGH IN UNSATURATED FATTY ACIDS. INVESTIGATION OF THE EFFECTS OF VITAMIN E IN THESE ANIMALS. DETERMINATION OF THE DEVELOPMENTAL AND CONTROL ANIMALS WILL BE KILLED AND THE CEREBELLAR TISSUE REMOVED AND MOUNTED FOR MICROSCOPIC STUDY.


THIS RESEARCH PROPOSES TO ANALYZE THE FUNCTIONAL DIFFERENTIATION OF THE ADRENERGIC NERVOUS SYSTEM DURING INTRAUTERINE MATURATION TO DETERMINE ITS CONTRIBUTION TO MAINTENANCE OF FETUS HOMEOSTASIS IN PHYSIOLOGICAL AND DISEASE STATES.

C260 ENGAGE IN A PROGRAM FOR INVESTIGATIONS OF HISTOLOGICAL FACTORS RESPONSIBLE FOR NEURO AND SENSORY FUNCTION PHASES 43-68-1041, MYERS, RONALD, UNIVERSITY OF PUERTO RICO, SAN JUAN, PUERTO RICO, 7/68-6/70, RENEWAL, $50,000, NINDS

CONTRACT NO ABSTRACT

C265 ETIOLOGY OF PERINATAL BRAIN DAMAGE, NS 1620-09, COWEN, DAVID, COLUMBIA UNIVERSITY COLLEGE OF PHYSICIANS AND SURGEONS, NEW YORK, N.Y., 4/67-3/70, RENEWAL, FY 67, $95,265, NINDS

THIS RESEARCH PROPOSES TO STUDY IN RATS, THE POSSIBILITY OF OVERCOMING OR AMELIORATING THE RETARDED EFFECTS OF PERINATALLY-INDUCED BRAIN DAMAGE UPON LATER LEARNING AND MEMORY ABILITIES BY MEANS OF SPECIFIC DRUG TREATMENTS AND/OR SENSORY STIMULATION ADMINISTERED TO THE INJURED ANIMAL DURING ITS EARLY DEVELOPMENT.

C270 EXPERIMENTAL CNS LESIONS AND PSYCHOSOMATIC MATURATION HD-02277-04 KLING, ARTHUR, UNIVERSITY OF ILLINOIS, CHICAGO, ILL, 6/69-5/70 RENEWAL $60,262, NINDS

THIS RESEARCH PROPOSES TO CONTINUE ITS INVESTIGATIONS INTO THE DIFFERENTIAL EFFECTS OF EARLY VS. LATE LOCALIZED BRAIN INJURY IN RODENTS AND PRIMATES. THE PROGRAM IS BEING EXTENDED TO INVESTIGATE THE NEUROMECHANISMS BY WHICH FOLLO WING ABLATIONS OF ANATOMICALLY DEFINED BRAIN AREAS OCCURS BY EXTENDING THE ABLATIONS TO INCLUDE RELATED CORTICAL REGIONS AND RELATED SUBCORTICAL STRUCTURES IN CAT AND MONKEY.

C275 EXPERIMENTAL METABOLIC ENCEPHALOPATHIES, NS-7336-02, FISHMAN, ISRAEL A., FEDERAL RESEARCH INSTITUTE OF CALIFORNIA MEDICAL CENTER, SAN FRANCISCO, CALIF., 6/68-5/69, RENEWAL, FY 68, $70,075. NINDS

THIS RESEARCH IS CONCERNED WITH BRAIN PERMEABILITY, MEMBRANE TRANSPORT AND METABOLISM AND IS DIRECTED TOWARD UNDERSTANDING THE PATHOPHYSIOLOGY OF THE COMPLEX NEUROLOGICAL MANIFESTATIONS CHARACTERIZING VARIOUS SYSTEMIC DISORDERS.

C280 EXPERIMENTAL PKU INDUCED BY ENZYME INHIBITORS HD-01972-04, MITCHELL, JOHN A., STANFORD RESEARCH INSTITUTE, MENLO PARK, CALIF., 4/69-3/72 RENEWAL, $30,847. NICH

THIS RESEARCH PROPOSES TO SYNTHESIZE AND EVALUATE POTENTIAL INHIBITORS OF PHENYLALANINE HYDROXYLASE, SO FAR, THE MOST POTENT INHIBITOR WITH A MINIMUM OF SIDE-EFFECTS HAS BEEN FOUND TO BE ESCULETIN (6,7-DIHYDROXYCOUMARIN). THE ULTIMATE OBJECTIVE IS TO STUDY BRAIN BIOCHEMISTRY AS IT RELATES TO MENTAL RETARDATION AND NEUROLOGICAL PATHOLOGY.

C285 EXPERIMENTAL PHENYLKETONURIA IN INFANT RATS HD-02696-03 LONGENECKER, J.B., UNIVERSITY OF TEXAS, AUSTIN, TEXAS, 1/69-12/69, RENEWAL, $22,326, NICH

THIS PROPOSAL PROPOSES TO PRODUCE A PERMANENT MENTAL DEFECT IN RATS BY NUTRITIONAL AND/OR BIOCHEMICAL MEANS WHICH MAY BE USEFUL IN ELUCIDATING THE MECHANISMS OF PHENYLKETONURIA AND LEAD TO THE SAME TYPE PERMANENT BRAIN DAMAGE AS OCCURS IN THE DISEASE. THE EVENTUAL AIM IS TO USE THIS EXPERIMENTAL SYSTEM TO DETERMINE WHETHER THE SEVERE AMINO ACID IMBALANCE IN THE BLOOD CAN AFFECT PROTEIN SYNTHESIS IN THE BRAIN IN SUCH A WAY SO THAT MENTAL DEVELOPMENT IS PERMANENTLY IMPAIRED.

C290 FACTORS INFLUENCING EXPERIMENTAL KERNicterus HD-02015-04, LUCEY, JEROLD F., UNIVERSITY OF VIRGINIA, BURLINGTON, VT., 2/69-1/71 RENEWAL $26,359. NICH

THIS RESEARCH PROPOSES TO DEVELOP TECHNIQUES THAT MIGHT INCREASE THE RESISTANCE OF HUMAN INFANTS TO HYPERBILIRUBINEMIA, A LETHAL SYMPTOM. STUDY OF THE POSSIBILITIES OF SUSCEPTIBILITY TO KERNICTERUS OF A FEW NEWBORN ANIMAL SPECIES, ASPHYXIA, ACIDOSIS, HYPOGLYCEMIA, HYPOGLUMINEMIA, HYPOCALCEMIA AND RESPIRATORY DISTRESS WILL BE CONSIDERED.

C295 FETAL AND NEONATAL DETOXIFICATION MECANISMS HD-02800-03 BROWN, AUDREY K., MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA., 1/68-3/71 RENEWAL, $30,847. NICH

THIS RESEARCH PROPOSES TO INVESTIGATE FACTORS INFLUENCING EXCRETION OF BILIRUBIN AND TO STUDY THE FUNCTION OF EXCRETION OF BILIRUBIN AND THE KINETICS OF BILE FLOW IN NEWBORN ANIMALS. THE BILE WILL BE ASSESSED FOR BILIRUBIN C-14 AND BDSP 5-35 WHICH WILL BE INFUSED THROUGH THE FEMORAL VEIN.

C300 FETAL AND NEONATAL PITUITARY-THYROID PHYSIOLOGY HD-02280-02 SCHINDEL, WILLIAM J., BAYLOR UNIVERSITY, HOUSTON, TEX., 9/68-8/70, RENEWAL, $23,140, NICH

THIS STUDY WILL INVESTIGATE THE EFFECTS OF THYROXIN LEVEL DURING FETAL AND NEONATAL PERIODS ON BIOCHEMICAL, BEHAVIORAL AND PHYSIOLOGICAL DEVELOPMENT.

C305 DYNAMICS OF RAT FETAL INSULIN SECRETION HD-02171-03, STEINKE, JURGEN, HARVARD UNIVERSITY, BOSTON, MASS., 7/68-6/71 RENEWAL, $29,972. NICH

THIS RESEARCH CONCERNS ELEVATED LEVELS OF ACID ETHANOL EXTRACTABLE PANCREATIC INSULIN IN FETUSES OF MOTHERS WITH DIABETES. MOTHERS TREATED WITH LARGE DOSES OF STEROIDS OR SEX HORMONES DURING PREGNANCY, AND IN BABIES WITH SEVERE ERYTHROBLASTIC FETALIS. THE LATTER FINDING WAS COMPLETELY UNEXPECTED AND HAS PROMPTED A DETAILED STUDY.

C310 FINE STRUCTURE OF ABNORMAL NEUROGENESIS HD-01923-03, MC DONALD, THOMAS F., MEDICAL COLLEGE OF GEORGIA, AUGUSTA, GA., 8/68-12/69 RENEWAL, $22,842, NICH

THIS RESEARCH PROPOSES A BROAD STUDY OF MALFORMATION OF THE CENTRAL NERVOUS SYSTEM USING ELECTRON MICROSCOPY TO INVESTIGATE THE EARLY DEVELOPMENT OF MALFORMATIONS AS FOUND IN EXPERIMENTAL ANIMALS AFTER TREATMENT WITH VARIOUS AGENTS AND AS MAY BE SEEN IN CONCEPTS COLLECTED FROM HUMAN ABORTIONS.
C315 FUNCTIONAL ASPECTS OF PULMONARY IMMATURE
HD-02644-03, AULD, PETEDIA, M., CORNELL
UNIVERSITY, NEW YORK, N.Y., 1/69-12/60 RENEWAL:
$21,359. NICHD

This research proposes to define in physiologic terms the
limits of pulmonary function in the small, premature.
Application of this knowledge to the clinical problem of respiratory insufficiency will suggest new
therapeutic maneuvers. It is anticipated to improve
mortality and reduce physical and mental morbidity in
this high risk group.

C320 GANGLIOSIDE INDUCTION DURING EMBRYONIC
DEVELOPMENT, NS-5105, DAIN, JOEL A.,
UNIVERSITY OF RHODE ISLAND, KINGSTON, R.I., 9/68-
8/69, RENEWAL, $12,522. NICHD

This research is concerned with glycolipid sialyl-
transferase and glycolipid ganglioside transferase
induction and the ganglioside levels in the germ
layers at the late gastrula in the frog. It will at-
tempt to correlate the induction of synthesis of 4
major gangliosides with the formation of neurologi-
cal structure.

C325 GENETICS OF BRAIN ANATOMY AND BEHAVIOR
HD-02491-03, WIMER, RICHARD E., JACKSON
LABORATORY, BAR HARBOR, MAINE, 2/69-1/72,
RENEWAL, $44,480. NICHD

This research proposes to determine the relationship
between behavior and chosen anatomical charac-
teristics of the brain. By selective breeding of mice,
phenotypic extremes in relative amounts of total
brain tissue, neocortex, and hipocampus shall be
produced and associated changes in behavior shall be
sought and analyzed.

C330 STORAGE DISEASE - INTRACELLULAR TRANSPORT
AND DIGESTION, 6856-02 GOLDFISCHER, SIDNEY L.,
ALBERT EINSTEIN COLLEGE OF MEDICINE OF
Yeshiva University, Bronx, New York, 2/69-1/70,
RENEWAL, $41,085. NINDS

This research proposes to investigate intracellular
transport, digestion and storage, particularly in
hepatocytes, kuffer cells, neurons and glia. Com-
bined cytochemical electron microscopic and elec-
tron probe micro-analytical techniques will be em-
ployed to study the intracellular localization of
hydrolyases and the uptake and storage of protei
and metals.

C335 HISTOPATHOLOGIC PATTERNS IN THE BRAIN,
NS-7388-03, TERPLAN, KORNEL L., RESEARCH FOUNDATION
OF STATE UNIVERSITY OF NEW YORK, ALBANY, NEW
YORK, 5/69-4/70, RENEWAL, $27,881. NINDS

This research proposes the study of the central ner-
vous system in relation to cognitive development
with particular attention to the functional types.

C340 HORMONAL FUNCTION & GROWTH & DEVELOPMENT
IN CHILDHOOD, HD-00371-15, BONGiovanni, ALFRED
M., CHILDREN'S HOSPITAL OF PHILADELPHIA,
PHILADELPHIA, PA., 9/68-3/73, RENEWAL, $61,504.
NICHD

This research concerns assays for growth hormone
and insulin in plasma of normal children and of chil-
dren with illness. It is planned to establish an assay
for adrenocorticotropic hormone and then to de-
fine those physiologic stimuli which control the
secretion and release of these hormones in healthy
children and compare these findings with the study
of children with varied diseases.

C345 HYPOXEMIA, ACIDEMIA AND CAPILLARY
PERMEABILITY HD-02704-03, TAYLOR, PAUL
MITCHELL, MAGNET WOMEN'S HOSPITAL,
PITTSBURGH, PENNSYLVANIA 169-12-71, RENEWAL:
$21,344. NICHD

This research proposes to determine the relative sus-
ceptibility of pulmonary capillaries of adult
and 2-week-old dogs to hypoxemia, acidemia and
hypoxemia plus acidemia. A background for the study
of methods for hastening recovery from
increases in pulmonary capillary permeability caused
by acute metabolic insults is anticipated.

C350 HYPOXIA, METABOLISM, AND NEONATAL
THERMOREGULATION (HD-0254-03) BAUM, DAVID,
UNIVERSITY OF WASHINGTON, SEATTLE, WASH.,
10/68-9/69 RENEWAL $14,185. NICHD

This research proposes to elucidate the biochemical ef-
fects of acute and chronic hypoxia on thermogenesis
in the human infant, and to extrapolate the findings
for use in the medical care of the hypoxic infant.

C355 INFANT PSYCHOPHYSIOLOGICAL SYSTEMS HD-00869-
07, CROWELL, DAVID H., UNIVERSITY OF HAWAI,
HONOLULU, HAWAII, 9/68-8/69 RENEWAL $26,172.
NICHD

This research proposes to delineate differences in the
basal levels of central and autonomic nervous
system activity, and to establish their patterning,
and to evaluate the co-variations of central and au-
tonomic nervous system activity as a function of
spontaneous behavioral activity changes, reactivity to
sensory stimulation and reactivity to conditions of
minimal and moderate stress.

C360 INTEGRATED APPROACHES TO NEUROBIOLOGICAL
PROBLEMS, NS-6827-03, SNIDER, RAY S., UNIVERSITY
OF ROCHESTER, ROCHESTER, N.Y., 9/68-8/69,
RENEWAL, $95,765. NINDS

This research is on the studies with neural trans-
plants in salamanders, artificial auditory end or-
gans, cerebellum-ultrastuctural activities related
to electrical activity, and the investigation of the
biochemical basis of audiological seizures.

C365 INTERMEDIARY METABOLISM IN THE PREMATURE
INFANT HD-00373-13, LUBCHENCO, LULA O.,
UNIVERSITY OF COLORADO, DENVER COLO., 9/68-
8/70 RENEWAL $7,626. NICHD

This research concerns various aspects of intermedia-
tory metabolism in well and sick newborn infants with
emphasis on glucose utilization, individual free fatty
acid metabolism, amino acid metabolism, bilirubin
metabolism in fetuses affected with erythroblastosis,
and long term follow-up studies on physical, neu-
rological and intellectual handicapss in newborns
with special metabolic problems.

C370 INTESTINAL TRANSPORT OF AMINO ACIDS IN PKU
HD3956-01, YARROB, MARINA T., UNIVERSITY OF
KENTUCKY, LEXINGTON, KENTUCKY, 7/68-6/70,
INITIAL, $29,114. NICHD

This project is concerned with the intestinal absorp-
tion of amino acids in phenylketonurics, in normal
control subjects, and in hamster everted intestinal
sacs. The purpose is to establish the existence of a
common transport mechanism for phenylalanine,
tyrosine, and tryptophan that may help to explain
the metabolic abnormalities encountered in PKU.

C375 INVESTIGATION OF THE PEPTIDES IN HUMAN SERUM
AND URINE HD-02633-03 BUIST, NEIL ROBERTSON
MAC K., UNIVERSITY OF OREGON, PORTLAND, ORE.,
12/68-1/69 RENEWAL, $20,501. NINDS

This research proposes to further the investigation of
the peptides in human urine and serum and to apply
the knowledge acquired to the study of disease states.

C380 LEARNING AND TRANSFER IN NORMAL AND
RETIRED CHILDREN HD3917-01 CAMPIONE, JOSEPH
C., UNIVERSITY OF WASHINGTON, SEATTLE,
WASHINGTON, 12/68-11/71, INITIAL, $14,164. NICHD

This project includes three sets of experiments: 1) to
assess the relative contributions of verbal mediating
responses and perceptual observing responses in
mediating transfer of a discrimination; 2) to study the
transposition of behavior in normal and retarded
children; and 2) to compare the attentional behavior
of normal and retarded subjects.

C385 LOWER SES CHILD REARING AND COGNITIVE
DIFFERENTIATION HD-02804-03 DEUTSCH, MARTIN,
NEW YORK UNIVERSITY, NEW YORK, N.Y., 1/69-2/70
RENEWAL $88,588. NICHD

This research concerns the enumeration and descrip-
tion of cognitive abilities relative to school achieve-
ment. Previous research has dealt with factors as
developmental differences in cognitive abilities and
differences between socioeconomic groups.

C390 LYSINE METABOLISM IN INFANTS & CHILDREN HD-
02920-03, WOODY, NORMAN T., TULANE UNIVERSITY,
NEW ORLEANS, La., 6/69-7/71, RENEWAL, $16,967.
NICHD

This research proposes to determine the location of the
metabolic block in 1 related girls in whom the
diagnosis of hyperlysinsaemia has been made.
C395 MECHANISM OF BILIRUBIN METABOLISM
C400 MICROCHEMICAL PATHOLOGY OF PULMONARY DISTRESS
C420 METABOLISM OF DRUG SUBSTRATES BY HUMAN MICROCHEMISTRY OF PULMONARY DISTRESS
C425 METABOLISM OF DRUG SUBSTRATES BY HUMAN MICROCHEMISTRY OF PULMONARY DISTRESS
C430 METABOLISM OF DRUG SUBSTRATES BY HUMAN MICROCHEMISTRY OF PULMONARY DISTRESS
C435 MOLECULAR BASIS OF CEREBRAL DEGENERATION

THIS RESEARCH PROPOSES TO STUDY THE BIOCHEMICAL MECHANISMS OF TOXICITY, THE FACTORS INFLUENCING VULNERABILITY, THE ROLE OF GENETIC FACTORS, AND THE EFFECTS OF ALKALOIDS ON THE NERVOUS SYSTEM.

THE OBJECTIVE IS TO DETERMINE THE MOLECULAR BASIS OF IN-BORN ERRORS OF METABOLISM RESULTING IN CEREBRAL DEGENERATION FOR THE PREVENTION AND TREATMENT OF OTHER RARE METABOLIC DISEASES INCLUDING KINKY HAIR DISEASE AND A SPECIAL FORM OF INFANTILE AMAUROTIC IDIOCY.

C440 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO PROVIDE INSIGHTS INTO THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C455 NEUROPATHOLOGY IN MAN

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE NEUROPATHOLOGY OF MAN, ESPECIALLY IN THE BRAIN AND PERIPHERAL NERVES.

C490 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C495 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C500 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C510 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C520 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C530 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C540 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C550 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C560 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C570 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C580 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.

C590 MOLECULAR NEUROBIOLOGY OF PROTEINS

THE OBJECTIVE OF THIS RESEARCH IS TO STUDY THE MOLECULAR AND NEUROBILOGICAL ASPECTS OF PROTEINS IN THE NERVOUS SYSTEM.
THIS RESEARCH CONCERNS A DETAILED HISTOPATHOLOGICAL 
STUDY OF THE BRAINS OF MENTALLY-RETARDED INDIVIDUALS, 
INCLUDING HISTO-CHEMICAL AND ELECTRON-MICROSCOPIC 
TECHNIQUES, WITH PARTICULAR EMPHASIS UPON THE ADULT 
POPULATION.

C475 
NEUROSENSORY CENTER, NS-3354-08, VAN ALLEN, 
MAURICE W., UNIVERSITY OF IOWA, IOWA CITY, 
IOWA, $10/274,355. NINDS 
THIS PROJECT SUPPORTS INVESTIGATIONS, BOTH 
INDIVIDUAL AND COLLABORATIVE IN NEUROLOGY, OPHTHALMOLOGY AND 
PSYCHOLOGY.

C480 
ONTOGENY OF VISUAL AND AUDITORY EXPLORATION 
IN INFANTS HD-03368-02, SIQUELAND, EINAR R., 
BROWN UNIVERSITY, PROVIDENCE, R.I., 2/69-1/71, 
RENEWAL, $30,915. NICHD 
THE PURPOSE OF THIS RESEARCH IS TO INVESTIGATE THE 
DEVELOPMENT OF VISUAL AND AUDITORY EXPLORATION 
IN NEUROLOGICALLY SUSPECT AND ABNORMAL INFANTS 
THROUGH ONTOGENETIC STUDIES OF VISUAL AND AUDITORY 
REINFORCEMENT.

C485 
PATHOGENESIS OF CENTRAL NERVOUS SYSTEM 
MALFORMATIONS HD-01503-05 CHAMBERLAIN, JACK 
G., UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, 
CALIF., 6/69-5/71 RENEWAL $30,956. NICHD 
THE RESEARCH PROPOSES TO STUDY THE DEVELOPMENT OF 
ABNORMALITIES SUCH AS HYDROCEPHALUS CAUSED BY ACUTE 
OR CHRONIC NICOTINIC ACID DEFICIENCY IN HUMAN BEINGS AND 
The EFFECTS OF NICOTINIC ACID DEFICIENCY INSTILLED EARLY IN 
GESTATION. THESE STUDIES WILL BE COMPARED AND CONTRASTED 
WITH THE PHYSILOGIC CHANGES KNOWN TO BE 
TERATOGENIC IN MAMMALS.

C490 
PERINATAL VASCULAR CAUSES OF NEONATAL 
ATELECTASIS HD-02406-03 BARKER, JUNE 
NORTHROP, NEW YORK UNIVERSITY, NEW YORK, 
N.Y., 1/69-1/70 RENEWAL $24,306. NICHD 
THE RESEARCH CONCERNS PULMONARY MORPHOMETRIC AND 
HEMODYNAMIC PARAMETERS MEASURED IN PREMATURE AND 
TERM RATS, RABBITS AND GUINEA PIGS IN ORDER TO TEST THE 
VALIDITY OF THE FOLLOWING WORKING HYPOTHESIS: NON- 
OPTIMAL TISSUE TURFIGIDITY AND LOCAL UNEVENNESS OF TISSUE 
TURFIGIDITY AT THE MOMENT OF BIRTH ARE CONSIDERED TO BE 
THE FINAL COMMON PATHWAY TO NEONATAL ATELECTASIS.

C500 
PHENYLALANINE AND TRYPTOPHAN 
HYDROXYLATION IN PKU HD-02643-02 SIQUELAND, EINAR R., 
LOYOLA UNIVERSITY, CHICAGO, ILLINOIS, 7/68-11/69, RENEWAL $7,043. 
NICH.

C505 
PHENYLALANINE AND TRYPTOPHAN 
HYDROXYLATION IN PKU HD-0346-01, SIQUELAND, EINAR R., 
LOYOLA UNIVERSITY, CHICAGO, ILLINOIS, 1/69- 
12/69, INITIAL, $21,725 NICHD 
THIS PROJECT IS CONCERNED WITH THE DIFFERENCE BETWEEN 
PATIENTS WITH PHENYLKETONURIA, MANY OF WHOM SUFFER 
FROM MENTAL DEFICIENCY WHEN UNTREATED, AND THOSE 
WITH HYPERPHENYLALANINEMIA, WHO DO NOT APPEAR TO BE 
HARMED. BIOCHEMICAL TECHNIQUES ARE BEING DEVELOPED TO 
FURTHER EXAMINE THE HYDROXYLASE ACTIVITY IN BOTH 
SYNDROMES.

C510 
PHYSIOLOGIC STUDIES IN NEWLY BORN HUMAN 
INFANTS HD-00747-07, OLIVER, THOMAS K., JR., 
UNIVERSITY OF WASHINGTON, SEATTLE, WASH., 
12/68-11/72 RENEWAL, $20,096. NICHD 
THE RESEARCH INVESTIGATES THE DIFFERENCES IN 
PHYSIOLOGIC STUDIES OF THERMOREGULATION, 
ACID-BASE BALANCE IN HEALTH AND DISEASE, STUDIES OF IN 
FANTS OF LOW BIRTHS WEIGHT AND OF THE ALTERATION IN 
BODY FLUID COMPARTMENTS OF INFANTS BORN BY ELECTIVE 
CAESAREAN SECTION AS COMPARED TO THOSE BORN 
VAGINALLY.
RESEARCH AND DEMONSTRATION GRANTS, 1969

NO ABSTRACT SUPPLIED

C555 STUDY OF NERVOUS SYSTEM LIPIDS, NS-1006-15, NORTON, WILLIAM T., ALBERT EINSTEIN COLLEGE OF MEDICINE YESHIVA UNIVERSITY, BRONX, N.Y., 4/69-3/70, RENEWAL, $48,237, NINDS

THIS RESEARCH IS CONCERNED WITH ISOLATING WHOLE NEUROGLIA AND NEURONAL PERIKARYA AND THE INITIATION OF LONG RANGE CHEMICAL AND BIOCHEMICAL STUDIES OF THESE CELLS. STRUCTURAL ALTERATIONS OF INDIVIDUAL BRAIN GLUCOSIDES WILL ALSO BE MADE.

C560 STUDIES IN HUMAN GENETICS HD-00486-14, CHILD, BENJAMIN T., BOSTON UNIVERSITY, BOSTON, MASS., 1/69-12/72, RENEWAL, $49,896, NICH

THIS RESEARCH CONCERNS CYTOGENETIC STUDIES OF PATIENTS WITH CHROMOSOME ABNORMALITIES, ENZYME VARIATIONS IN DROSOPHILA, AND STUDY OF LIPID METABOLISM IN A PATIENT WITH HYPERGLYCINEMIA.

C565 STUDIES OF NEONATAL BLOOD DISORDERS HD-0294-09, BERNSTEIN, SELDON E., JACKSON LABORATORY, 12/68-1/70, RENEWAL, $26,482, NICH

THIS RESEARCH PROPOSES TO OBTAIN INFORMATION ON THE NATURE OF THE REGULATORY MECHANISMS THAT CONTROL HEMATOPOIESIS, THROUGH AN ANALYSIS OF ACTION OF MUTANTS ON THE NORMAL GROWTH AND DEVELOPMENT OF BLOOD-FORMING TISSUE. SEVEN OF THE 11 KNOWN HEREDITARY ANEMIAS OF MICE ARE CURRENTLY UNDER STUDY.

C570 STUDIES ON THE RESPIRATORY DISTRESS SYNDROME HD-03554-02, CROPP, GERD J. UNIVERSITY OF COLORADO, DENVER, COLO., 5/69-4/71, RENEWAL, $16,421, NICH

THIS RESEARCH PROPOSES TO APPLY THERMAL DILUTION TECHNIQUES TO THE QUANTITATIVE STUDY OF SHUNTS IN THE CIRCULATION SYSTEM. USING THESE TECHNIQUES THE EFFECTS OF VARIOUS FORMS OF THERAPY CAN BE ASSESSED.

C575 STUDIES OF TETRAPLOID DNA STATUS OF PURKINJE CELLS, NS-7100-03, KAPLAN, LOWELL W. UNIVERSITY OF ROCHESTER MEDICAL CENTER, ROCHESTER, NEW YORK, 2/69-1/70, RENEWAL, $15,313, NINDS

THIS RESEARCH PROPOSES TO ACHIEVE AN UNDERSTANDING OF THE SIGNIFICANCE OF TETRAPLOIDY IN PURKINJE NEURONS IN TERMS OF ITS ROLE IN CELL METABOLISM. TIMED PREGNANT FEMALES WILL BE USED TO PROVIDE ANIMALS WHICH CAN BE STUDIED AT SUCCESSIVE INTERVALS THROUGHOUT THE PERIOD OF PRENATAL AND POSTNATAL MATURATION OF THE CEREBELLUM.

C580 STUDY OF BRAIN HISTOLOGY IN THE PERINATAL PERIOD, NS-3839-06, RORKE, LUCY B., PHILADELPHIA GENERAL HOSPITAL, PHILADELPHIA, PA., 9/67-8/69, RENEWAL, FY 68, $6,602, NINDS

THIS RESEARCH PROPOSES INVESTIGATION OF THE ANATOMIC SUBSTRATA OF INFANTILE CEREBRAL PALSY AND MENTAL RETARDATION BY EVALUATING THE DEGREE OF MATER FETAL TRANSPLACENTAL PASSAGE IN THE PERINATAL INFANT, AND INVESTIGATION OF OCCULT LESIONS PREDISPOSING TO DEFECTIVE POSTNATAL BRAIN DEVELOPMENT.

C585 A STUDY OF INBORN ERRORS OF SPHINGOLIPID METABOLISM, NS-1847-11, ROUSER, GEORGE, CITY OF HOPE MEDICAL CENTER, DUARTE, CALIF., 10/68-9/69, RENEWAL, $52,932, NINDS

THIS RESEARCH PROPOSES TO STUDY THE ROLES OF POLAR LIPIDS OF THE NERVOUS SYSTEM IN ANIMALS AND MAN AND TO CORRELATE FINDINGS WITH DATA ON ANATOMY, PHYSIOLOGY, ENZYMOLOGY AND PERMEABILITY; AND TO DEFINE ALTERATIONS IN LIPID COMPOSITION OF BRAIN AND SUB-CELLULAR PARTICLES OF BRAIN IN SOME PATHOLOGICAL STATES IN MAN.

C590 STUDY OF MEIOSIS IN RELATION TO MENTAL RETARDATION HD-6954-01, MELNYK, JOHN, CITY OF HOPE MEDICAL CENTER, DUARTE, CALIFORNIA, 4/69-3/70, INITIAL, $40,553, NICH

THE PURPOSE OF THIS STUDY IS TO EXAMINE THE MEIOTIC CHROMOSOMES OF RETARDED INDIVIDUALS, WITH AND WITHOUT ANATOMICAL CONGENITAL MALFORMATIONS, WHO DO NOT DEMONSTRATE MITOTIC CHROMOSOMAL ABERRATIONS. THE HOLOCENTRIC TRANSLOCATIONS, PARACENTRIC INVERSIONS, VERY SMALL DELETIONS, AND ADDITIONS WILL BE DETECTABLE AT MEIOSIS, BUT NOT AT MITOSIS, AND SOME OF THE ABERRATIONS MAY BE ASSOCIATED WITH RECOGNIZABLE ABNORMALITIES OF STRUCTURE AND FUNCTION.

C595 STUDY OF NERVOUS SYSTEM LIPIDS, NS-1006-15, NORTON, WILLIAM T., ALBERT EINSTEIN COLLEGE OF MEDICINE YESHIVA UNIVERSITY, BRONX, N.Y., 4/69-3/70, RENEWAL, $48,237, NINDS

THIS RESEARCH IS CONCERNED WITH ISOLATING WHOLE NEUROGLIA AND NEURONAL PERIKARYA AND THE INITIATION OF LONG RANGE CHEMICAL AND BIOCHEMICAL STUDIES OF THESE CELLS. STRUCTURAL ALTERATIONS OF INDIVIDUAL BRAIN GLUCOSIDES WILL ALSO BE MADE.

C600 SURFACE AREA AND PATTERNS OF CORTICAL NEURONS, NS-3054-08, SCHADET, JCF, NETHERLANDS CENTRAL INSTITUTE FOR BRAIN RESEARCH AMSTERDAM THE NETHERLANDS, 1/69-12/69, RENEWAL, $7,000, NINDS

THIS RESEARCH IS CONCERNED WITH THE RELATIONSHIP BETWEEN SURFACE AREA OF NEURONS AND THE DEVELOPMENT OF ELECTRICAL AND BIOCHEMICAL PARAMETERS IN CHICK AND RABBIT BRAINS.

C605 THE DEVELOPMENT OF NORMAL AND ABNORMAL MYE LIN LIPIDS, NS-7537-02, CHASE H. PETER, UNIVERSITY OF COLORADO MEDICAL CENTER, DENVER, COLO., 9/66-8/68, RENEWAL, $22,174, NINDS

THE PURPOSE OF THIS RESEARCH IS TO STUDY THE EFFECTS OF MALNUTRITION AND DISTORPTION OF AMINO ACID HOMEOSTASIS ON THE RATE OF DEPOSITION AND COMPOSITION OF MYE LIN CEREBROIDE.

C610 THE INFANTS VOCALIZATIONS HD-00332-11, KARELITZ, SAMUEL, LONG ISLAND JEWISH HOSPITAL, NEW HYDE PARK, N.Y., 4/69-3/70, RENEWAL, $42,564, NICH

THIS RESEARCH PROPOSES TO DETERMINE WHETHER EARLY CRYING ACTIVITY AND OTHER SUBSEQUENT VOCALIZATIONS ARE DIAGNOSTIC OF THE CURRENT STATUS OF THE CHILD'S CENTRAL NERVOUS SYSTEM AND WHETHER THEY ARE PREDICTIVE OF HIS FUTURE INTELLECTUAL AND SPEECH DEVELOPMENT.

C615 TRANSPLACENTAL PASSAGE OF FETAL ENZYME TREATMENT OF FETAL ERYTHROCYTES HD-00351-10, COHEN, FLOSSIE, CHILD RESEARCH CENTER OF CHICAGO, DETROIT, MICH. 4/69-3/70, RENEWAL, $47,564, NICH

THIS RESEARCH CONCERNS THE TRANSPLACENTAL PASSAGE OF FETAL CELLS AND ITS RELATIONSHIP TO IMMUNIZATION OF PREGNANCY. SEVERAL WOMEN ARE BEING STUDIED DURING CONSECUTIVE PREGNANCIES. PREVIOUSLY SENSITIZED WOMEN REQUIRING AMENORRHEA AND THE MORE SEVERE ONES WHERE THE INFANTS REQUIRE INTRAUTERINE TRANSFUSION ARE INCLUDED IN THE STUDY.

C620 ULTRASTRUCTURAL STUDIES IN MAMMALIAN TERATOGENESIS, HD-02816-03, VEROCH H., DARTMOUTH COLLEGE, Hanover, N.H. 2/69-1/70, RENEWAL $23,602, NICH

THIS RESEARCH PROPOSES TO INVESTIGATE SEQUENTIALLY THE FINE STRUCTURAL ALTERATIONS IN PRENATAL AND SELECTED EMBRYONIC TISSUES FOLLOWING THE INTRODUCTION OF KNOWN TERATOGENIC AND EMBRYONIC AGENTS INTO THE PREGNANT LABORATORY ANIMALS. THE USE OF SPECIFIC AGENTS AND TECHNIQUES ADAPTABLE TO ELECTRON MICROSCOPIC INVESTIGATIONS WILL CONSTITUTE THE EXPERIMENTAL BASIS FOR THESE OBJECTIVES.

C625 ULTRASTRUCTURAL STUDIES OF THE LUNG HD-02459-03, KIKKAWA, YUTAKA, YESHIVA UNIVERSITY, NEW YORK, N.Y., 9/68-8/69, RENEWAL $25,226, NICH

THIS RESEARCH CONCERNS A COMBINED BIOCHEMICAL AND MORPHOLOGICAL STUDY USING RADIOACTIVE PALMITIC ACID TO ASSESS THE PATHWAY OF PALMITATE IN THE LUNG, PARTICULARLY IN TYPE II EPITHELIAL CELL. THE RELATIONSHIP OF MITOCHONDRIA AND INCLUSION BODY TO THE CHEMICAL NATURE OF THE INCLUSION BODY AND THE SURFACE LINING LAYER.

C630 UPTAKE OF AMINO ACIDS BY THE FETUS OF THE EWE HD-03245-02, CURTS, G. C., UNIVERSITY OF WISCONSIN, MADISON, WIS., 5/69-4/72, RENEWAL, $23,689, NICH

THE PURPOSE OF THIS RESEARCH IS TO STUDY THE UTERINE AND UMBILICAL BLOOD FLOW AND OXYGEN AND AMINO ACID METABOLISM IN THE PREGNANT EWE.

C635 VITAMIN B6 AND CENTRAL NERVOUS SYSTEM FUNCTION, NS-5789-05, COURSIN, DAVID B., ST. JOSEPH HOSPITAL, LANCaster, PA., 6/69-5/70, RENEWAL, $23,440, NINDS

THIS RESEARCH PROPOSES TO CORRELATE BIOCHEMICAL FINDINGS IN EXPERIMENTAL VITAMIN B6 DEFICIENCY WITH THE BEHAVIOR OF THE ANIMAL IN TERMS OF ABILITY TO LEARN...
AND RETAIN MEMORY OF LEARNING. ELECTROENCEPHALO-
GRAPHIC TRACINGS WITH EVOKED RESPONSE TECHNIQUES
WILL PROVIDE INFORMATION ON THE STATUS OF THIS NEURO-
PHYSIOLOGICAL PARAMETER FOR CORRELATION WITH BIOCHEMICAL AND BEHAVIORAL DATA.

DIAGNOSIS AND/OR EVALUATION

D005 A COMPREHENSIVE EVALUATION OF HIGH-RISK
PREGNANCIES HD-0338-02, HON. EDWARD HARRY,
YALE UNIVERSITY, NEW HAVEN, CONN., 2/69-1/71,
RENEWAL, $210,345. NICHD
THIS PROJECT WILL DETERMINE FACTORS WHICH CONTRIBUTE TO (HIGH RISK) PREGNANCY AND TAKE APPROPRIATE STEPS WHERE POSSIBLE TO CORRECT UNFAVORABLE FETAL ENVIRONMENT.

D010 A FORTY YEAR FOLLOW-UP OF MENTAL RETARDEES
(1) HD-2671-01A, (2) SACRAMENTO, CALIF., (1)
J.6-8, (2) 5/6-7, RENEWAL, (1) $17,411, HD-
2671-02, ROSS, ROBERT, TO CALIF STATE DEPT OF
MENTAL HYGIENE, (2) $100,491. NICHD
THIS STUDY PROPOSES TO FOLLOW UP AND TEST 626 SUBJECTS, NOW IN THEIR 40S, WHO WERE INITIALLY TESTED IN SAN FRANCISCO OPPORTUNITY ROOMS AND FOUND TO HAVE HAD 50% OF 80 OR LESS. CONTROL GROUPS OF 100 SIBLINGS AND 100 CLASSES WILL BE STUDIED.

D015 ADAPTIVE BEHAVIOR AND EGG IN MENTAL
RETARDATION HD-01790-03, STRADBURY, J., MASS
STATE DEPT OF MENTAL HEALTH, WRENTHAM,
MASS., 7/68-6/70, RENEWAL, $26,259. NICHD
THIS PROPOSAL WOULD RELATE PARTICULAR EGG PHENOMENA WHICH HAVE BEEN FOUND TO RELATE IMPOR-
TANTLY TO MENTAL RETARDATION, TO THE ADAPTIVE BEHAVIOR OF RETARDS AS SHOWN BY RETARDS PERFORMANCE IN THE AREAS OF SELF-CARE, SOCIAL BEHAVIOR, INTELLECTUAL FUNCTIONING, EDUCATIONAL ACHIEVEMENT, AND OCCUPATIONAL STATUS.

D020 AN AUTOMATED PSYCHOLOGICAL TESTING BOOTH
(MH-148440-04), BARTHOLOMEW COUNTY MENTAL HEALTH CLINIC, COLUMBUS,
INDIANA, 1/69 RENEWAL, $33,231. NIMH
THIS PROPOSAL WOULD DEVELOP A TECHNI-
CIAN OPERATED AUTOMATED PSYCHOLOGICAL TESTING BOOTH WHICH WOULD PROVIDE VERBAL STIMULUS AND PERFORMANCE TEST MATERIAL (OBJECTS AND PICTURES) UPON REQUEST FROM THE SUBJECT (SUBJECT PRESSES A BUTTON) AND WOULD BE CAPABLE OF MAKING TAPING RECORDS OF THE SUBJECT'S ANSWERS.

D025 ANALYTIC STUDIES OF VISUAL PERCEPTION (MH-8061-
06), LEIBOWITZ, HERSCHEL, H., PENNSYLVANIA,
STATE UNIVERSITY, UNIVERSITY PARK, PA., 9/69
RENEWAL, $24,238. NIMH
THIS PROPOSAL WOULD INVESTIGATE VARIOUS ASPECTS OF PERCEPTUAL OUTCOMES WITH THE GOAL OF PROVIDING A QUANTITATIVE DATA BASE ON WHICH TO CONSTRUCT A THEORY. SPECIFIC AREAS TO BE STUDIED INCLUDE: THE HUMAN VISUAL PERCEPTION OF A CORRECTIVE VISION DEVICE CATHETER; A MECHANICAL SIGNIFICANCE OF EYE MOVEMENTS; THE ROLE OF PERCEPTUAL VARIATION IN VISUAL PERCEPTION; AND THE ROLE OF PERCEPTUAL VARIATION IN VISUAL PERCEPTION.

D030 AUDITORY STUDY BY EEG OF THE MENTAL
RETARDED (MH-1490-02), SHIMIZU, HIROSHI, JOHNS
HOPKINS UNIVERSITY, BALTIMORE, MD., 9/68-8/69,
RENEWAL, $2,454. NINDS
THIS PROPOSAL WOULD INVOLVE ANALYSIS OF EEG TO ACOUSTIC STIMULI IN SEVERELY RETARDED SUBJECTS WITH CHRONIC BRAIN SYNDROMES IN COMPARISON WITH THOSE OBTAINED FROM NORMAL SUBJECTS WITH A PERIPHERAL HEARING IMPAIRMENT ALONE.

D035 BEHAVIORAL STUDY OF MENTALLY RETARDED
CHILDREN (MH-12711-03), CHESS, STELLA, NEW YORK
UNIVERSITY MEDICAL CENTER, NEW YORK, N.Y.,
10/69 RENEWAL, $37,903. NIMH
THIS PROPOSAL WOULD STUDY MIDDLE-CLASS CHILDREN TO STUDY PERSONALITY AND BEHAVIORAL ORGANIZATION OF MENTALLY SUBNORMAL INDIVIDUALS. THIS GROUP, WHOSE IQ IS 50-75, M.A. 4-6, LIVES IN THEIR HOMES, MINIMIZES COM-
PLICATING FACTORS SUCH AS SOCIAL AND ECONOMIC IM-
POVERISHMENT, INSTITUTIONAL EXCLUSION FROM THE COMMUNITY, AND PHYSICAL HANDICAPS.

D040 BIOCHEMISTRY OF HUMAN CHROMOSOMAL
ANEUPLOIDY HD-00588-07, MELLWAN, WILLIAM J.,
UNIVERSITY OF PENNSYLVANIA, PHILADELPHIA, PA.,
6/69-5/71, RENEWAL, $35,600. NICHD
THIS PROPOSAL WOULD INVESTIGATE THE ADOPTION OF EGG CONCEPTUALIZED DEFECTIVE CELLS DERIVED FROM THE SKIN OF PATIENTS WITH ANEUPLOIDY AND BIOCHEMICALLY DEFINED GENE MUTATIONS IN LONG TERM CULTURE. THIS WORK WILL BE ATTEMPTED WITH BOTH HIGH-GRADE ABOVE 40 I. O. AND LOW-
This research is concerned with further development and cross validation of the Holdstat battery of tests for brain damage. The flicker perimetry examination will be introduced into this battery. The battery will be extended downward to children of 5 years of age and an abbreviated form will be developed.

This research proposes to provide basic data on the maturation of the EEG and sensory evoked potentials of human infants during the course of development and will attempt to relate data obtained from psychological testing with the neurophysiological data.

This research examines the relationship of dermatoglyphic patterns and conditions associated with extra autosomal chromosomal disorders due to extra or deficient sex chromosomes, disorders due to chromosomal deletions and mosaic states, conditions attributable to a single abnormal gene, and conditions without a clear genetic basis.

The purpose of this research is to refine the diagnostic utility of the averaged electroencephalographic response to repeated auditory stimuli diagnostic indices based upon abnormal relation among early and late components of simultaneous wave forms evoked from subjects with differing auditory disorders will be developed.

This research deals with methods of assessing development of the central nervous system in the newborn and young infant, using physiologic and electroencephalographic data recorded during sleep. The subjects include normal full-term infants, premature, and selected pathological cases, recorded from birth through eight months of age.

The aim of this study is to compare EEG sensory evoked responses and measurements of blood gases, pH, electrolytes, glucose, and bilirubin in newborn infants. Premature and full-term infants with respiratory distress, acidosis, hypoxia, and apneic episodes will be studied.

This project involves a detailed examination of factors relating to the role of elaborative activities in children's learning. There are two major areas of investigation: research on elaboration and learning processes, and research on elaboration and learning ability.

This research aims to provide a detailed description of the past and present lives of mentally retarded and deficient patients discharged from Pine-Hill Hospital and Training Center, and to determine what predictive elements in the past life trajectories are most closely associated with post-discharge success and non-success.

Investigating the hypothesis of hyporesponsiveness of visual motor discrimination tasks in brain-injured children as compared with normal children, reaction times and accuracy of discrimination responses test the hypothesis as well as gender differences, measures of arousal since brain-injured children are less responsive.

This research proposes, in the 5th year of a 6-year longitudinal study, to give major emphasis to the developmental aspects of perception and related cognitive functioning in children. An overlapping design has been employed to study a 2-year developmental span in only 4 calendar years. Subjects consist of 338 normal children, boys and girls, with grade levels, 3 years apart, starting with the 4th grade.

This research proposes to reduce perinatal losses and to prevent intrauterine damage particularly neurologic and metabolic incurred by the fetus in high risk pregnancies, the production and excretion of estroil will be studied in normal and abnormal pregnancies.

This research focuses on the opposing effects of intradimensional and extradimensional shifts in the attentional and retentional aspects of discrimination learning of retardates.

This research concerns homosexuality, precocious puberty, and other syndromes of childrenhood, and adult materialism in operationally defined syndromes, tomboyishness and adrenogenital syndrome male hermaphroditism, intersex, and the associated in hermaphroditism testicular feminizing syndrome personality in the XXY and XO syndromes and body image in homosexuality and transsexualism and other para-philias.

To study requisites of adequate social behavior within populations of retarded and low income adolescents, and to develop an experiential social competence curriculum for junior high school students and to modify and validate the test of social inference on these populations.

This research proposes to determine whether behavioral assessment with assessment of hearing can serve a useful function in the early detection of neurologically impaired children.

This research proposes to determine whether behavioral assessments of hearing can serve a useful function in the early detection of neurologically impaired children.
THE PURPOSE OF THIS PROJECT IS TO DEMONSTRATE AND CORROBORATE THE THEORETICAL CONCEPT OF CRYPRINTING, IN ORDER TO PROVIDE CLINICAL DATA INDICATIVE OF THE PHYSIOLOGICAL OR PATHOLOGICAL STATUS OF AT BIRTH OR DURING THE NEONATAL PERIOD. THIS APPROACH APPEARS TO BE A RELIABLE DEMONSTRATION OF THE PHYSICAL AND, UNDER CERTAIN CONDITIONS, EVEN THE NEUROLOGICAL STATE OF THE NEONATE.


TO DEVELOP AND REFINIE A THEORY OF PROBLEM-SOLVING WHICH WILL FOCUS ON FACTORS CONTRIBUTING TO THE DEVELOPMENT OF WORK AND SOCIAL SKILLS IN RETARDED PERSONS.

D175 PERCEPTION IN PREMATURE, TERM, AND DEFECTIVE INFANTS HD4212-01, FANTZ, ROBERT L., CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO, 5/69-4/72, INITIAL, $57,082 NICHD

TWO AIMS OF THIS PROJECT ARE TO EXTEND VISUAL PREFERENCE TESTING TO AS EARLY A POINT IN INFANT DEVELOPMENT AS POSSIBLE AND TO VERIFY SUGGESTED DIFFERENCES IN RESPONSES RELATED TO THE LEVEL OF NEURAL MATURATION OF INFANTS BORN BEFORE TERM.

D180 QUANTITATIVE HUMAN CHROMOSOME STUDY AIDED BY COMPUTER HD-02860-03 NEURATH, PETER W., NEW ENGLAND MEDICAL CENTER HOSPITALS, BOSTON, MA, 3/17/69 - 3/31/70, INITIAL, $27,564 NICHD

THIS RESEARCH CONCERNS THE PERFORMANCE OF CHROMOSOME ANALYSES IN GREATER DEPTH AND ON A LARGER PERCENTAGE OF PATIENTS BY MAKING USE OF THE DEVELOPMENT OF A COMPUTER-AIDED SYSTEM OF CHROMOSOME ANALYSIS. CLINICIANS CAN BE INCLUDED AT THE EARLIEST POSSIBLE STAGE AND BECOME FAMILIAR WITH THE COMPUTER SYSTEM WHILE ENGAGED IN CHROMOSOME RESEARCH.

D185 THE CYTOGENETICS OF EMBRYONIC MALDEVELOPMENT HD-00549-08 MACINTYRE, M. NEIL, CASE WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO, 1/69-12/69 RENEWAL, $48,463 NICHD

THIS RESEARCH PROPOSES TO DETERMINE THE BIOCHEMICAL ACTIVITY OF CERTAIN CHROMOSOMES BY IN VITRO BIOCHEMICAL STUDIES OF ABNORMAL HUMAN CELL LINES IN WHICH A SPECIFIC CHROMOSOMAL ABERRATION EXISTS, AND PURSUE STUDIES OF THE CAUSES AND MEANS OF DETERMINING CHROMOSOMAL DAMAGE.

D190 THE REASONING, MORAL JUDGEMENT, AND MORAL CONDUCT OF RETARDATES - PHASE TWO RD-3143-P STEPHENS, WILL BETH, TEMPLE UNIVERSITY, PHILADELPHIA, PA, 5/1/69 - 4/30/70 INITIAL, $66,200 SRS ORDRT

TO ASSESS THE DEVELOPMENT OF MORAL REASONING, MORAL JUDGEMENT, AND MORAL CONDUCT AMONG MENTALLY RETARDATE.

D195 TECHNIQUES FACILITATING DISCRIMINATION LEARNING RD-2286-P. WUNDERLICH, RICHARD A., CATHOLIC UNIVERSITY OF AMERICA, WASHINGTON, D.C., 7/1/68 - 6/30/69 RENEWAL, $26,351 SRS ORDRT

THIS RESEARCH PROPOSES TO INVESTIGATE SEVERAL TECHNIQUES WHICH ARE EXPECTED TO FACILITATE THE LEARNING OF CHILDREN UNDER ADVERSE CONDITIONS OF CONTIGUITY, BOTH NORMAL AND RETARDED CHILDREN WILL BE STUDIED, THE PROPOSED EXPERIMENTS HAVE THEORETICAL AND PRACTICAL SIGNIFICANCE TO HUMAN LEARNING.

PREVENTION

E005 AUTOMATED MONITORING OF SICK INFANTS HD4138-01 VEASY, J., CHILDREN'S HOSPITAL, SALISBURY, MARYLAND, 2/69/71, INITIAL, $36,607 NICHD

THIS PROJECT WILL EMPLOY COMPUTERIZED TECHNIQUES TO ESTABLISH A SYSTEM FOR THE ACUTELY ILL INFANTS THAT WILL PROVIDE IMMEDIATE ACCURATE DATA AND WILL STILL BE PRORATED FOR WIDE SPREAD CLINICAL APPLICATION. THE DEVELOPMENT WILL BE CARRIED OUT IN THREE STEPS: (1) DEVELOPMENT OF A METHOD OF ON-LINE COMPUTER DETERMINATION OF ARTERIAL BLOOD GAS, PH, AND ELECTROLYTES, (2) CLINICAL APPLICATION OF THIS TECHNIQUE, AND (3) MODIFICATION OF SUCCESSFUL COMPUTER MONITORING SYSTEMS IN ADULTS FOR INFANT APPLICATION.

E010 COLLABORATIVE CROSS-CULTURAL CHILD REARING STUDY (MH-9228-03) LOURIE, REGINALD S., CHILDREN'S HOSPITAL, WASHINGTON, D.C., 4/69 RENEWAL, $40,812 NIMH

THIS RESEARCH IS A CROSS-CULTURAL STUDY OF CHILD REARING PATTERNS BETWEEN THE CHILDREN'S HOSPITAL OF THE DISTRICT OF COLUMBIA, AND THE QUEEN ANNA-MARIA INSTITUTE FOR CHILD HEALTH IN ATHENS, GREECE. CULTURAL AND ENVIRONMENTAL PREDISPONENCE TO DISTURBANCES OF HEALTHY EMOTIONAL, COGNITIVE, AND PHYSICAL DEVELOPMENT IN THE EARLIEST YEARS OF LIFE ARE THE FOCUS OF SPECIAL ATTENTION.

E015 DIAGNOSTIC-THERAPEUTIC STUDIES OF HIGH-RISK PREGNANCY H-192, STONE, MARTIN L., NEW YORK MEDICAL COLLEGE, NEW YORK, N.Y., 1/7/69 - 6/30/70 RENEWAL, $184,038 SRS-CB

THIS RESEARCH PROPOSES TO APPLY CERTAIN BIOCHEMICAL AND ENDORPHIN PARAMETERS TO A PROGRAM FOR STUDY OF 'HIGH-RISK' PREGNANT WOMEN RECEIVING TOTAL MATERNITY CARE AND TO STUDY THE ROLE OF THIAZIDES, USED PROPHYLACTICALLY, ON A SPECIFIC GROUP OF 'HIGH-RISK' PREGNANT WOMEN (GRAVIDA 16 YEARS OF AGE OR YOUNGER).

E020 ENZYME STUDIES IN CULTIVATED FETAL CELLS HD4339-01, NADLER, HENRY L., CHILDREN'S MEMORIAL HOSPITAL, CHICO, ILLINOIS, 1/69-12/69, INITIAL, $26,516 NICHD

THIS PROJECT IS CONCERNED WITH ENZYME STUDIES IN CULTIVATED FETAL CELLS. THE NORMAL PATTERNS OF ENZYME DEVELOPMENT, UTILIZING CULTIVATED AMNIOTIC FLUID CELLS, HAVE BEEN STUDIED, BOTH QUANTITATIVE AND QUALITATIVE CHANGES WERE DEMONSTRATED. THESE CELLS HAVE BEEN SHOWN TO BE USEFUL IN DETECTION OF BOTH CHROMOSOMAL ABERRATIONS AND INBORN ERRORS OF METABOLISM DURING THE FIRST FOUR MONTHS OF PREGNANCY.

E025 PREVENTION OF CULTURALLY DETERMINED RETARDATION (MH-10421-05) LOURIE, REGINALD S., CHILDREN'S HOSPITAL, WASHINGTON, D.C., 10/68 RENEWAL, $72,000, NIMH

THIS RESEARCH PROPOSES TO ESTABLISH PROGRAMS FOR THE FIRST YEARS OF LIFE TO PREVENT CULTURALLY DETERMINED MENTAL RETARDATION. THE PROJECT INCLUDES DEVELOPMENT OF METHODOLOGIES FOR DOCUMENTATION OF INDIVIDUAL PROGRESS IN PHYSICAL, INTELLECTUAL AND EMOTIONAL DEVELOPMENT, AND METHODS OF CHILD-REARING FOR DAY-CARE AND FULL-TIME INSTITUTIONAL CARE OF CHILDREN FROM DEPRIVED BACKGROUNDS.

E030 PREVENTION OF HEMOLYTIC DISEASE OF THE NEWBORN HD-01955-04, GORMAN JOHN L., COLUMBUS UNIVERSITY, NEW YORK, N.Y., 2/60-1/71 RENEWAL, $73,967, NIMH

THIS RESEARCH INVOLVES THE RH IMMUNO-GLLOBULIN PREPARED FROM HIGH TITERED ANTINRH ANTIBODY CONTAINING PLASMA POOLS. INJECTED INTRAMUSCULARLY IT HAS PRODUCED PASSIVE TITER OF ARTIFICIALLY STIMULATED RH NEGATIVE VOLUNTEERS. ASSESSMENT OF THE EFFECTIVENESS OF RH IMMUNO-GLLOBULIN IN PREVENTION AND MITIGATION OF RH NEGATIVE MOTHERS AT RISK IS UNDERWAY.

AMELIORATION

F005 LEARNING POTENTIAL AMONG THE EDUCABLE RETARDED (MH-10588-53) BUDOFF, MILTON, CAMBRIDGE MENTAL HEALTH ASSOCIATION, CAMBRIDGE, MASS., 9/69 RENEWAL, $39,912, NIMH

THIS RESEARCH PROPOSES TO CONTINUE TO STUDY AND MODIFY A LEARNING POTENTIAL APPROACH TO CLASSIFY LOW SCHOOL ACHIEVERS. THE POTENTIAL TO PROFIT FROM EXPERIENCE, RE-STANDARDIZE THE KOPS BLOCK DESIGN TEST ON NORMAL POPULATIONS AND COMPARE THE EMR GROUPS TO SAMPLES OF LOW AND GRADE LEVELが高い, ACHIEVERS AND TO ASSESSIBILITY OF SIMILAR COGNITIVE AND MENTAL AGES.

F010 REMEDIATION OF DISTURBED AND RETARDED CHILDREN (MH-7346-01) LOURIE, REGINALD S., CHILDREN'S HOSPITAL, WASHINGTON, D.C., 10/69 RENEWAL, $34,822, NIMH

THIS RESEARCH CONCERNS PRIMARLY PSYCHOEDUCATIONAL PROBLEMS IN THE REMEDIATION OF MENTALLY RETARDED AND EMOTIONALLY DISTURBED CHILDREN.

F015 THERAPY FOR RETARDATES WITH COMMUNICATION DISORDERS (MH-14877-86) SCHIEFELBUSCH, R.I., UNIVERSITY OF KANSAS LAWRENCE, KANS., 9/69 RENEWAL, $102,604, NIMH
THIS RESEARCH PROPOSES THE ORGANIZATION OF A SYSTEM OF TRAINING THROUGH DEMONSTRATION AND DISSEMINATION OF INFORMATION IN THIS CLINICAL SPECIALTY. PARTICIPANTS WILL BE SELECTED ON THE BASIS OF PREVIOUS PROFESSIONAL TRAINING AND EXPERIENCE AND ON CURRENT PROFESSIONAL ACTIVITIES. INTEGRAL TO THE PROJECT'S OPERATION WILL BE THE EVALUATION OF DEMONSTRATION ORGANIZATION AND TECHNIQUES.

AMELIORATION - EDUCATION

G005 A CENTER FOR EDUCATIONAL RESEARCH AND DEVELOPMENT IN MENTAL RETARDATION OEG-6-9-242176:4149 SUSKIN SAMUEL AND SPICKER HOWARD INDIANA UNIVERSITY FOUNDATION BLOOMINGTON INDIANA 06/01/69-12/31/70 INITIAL $682,683 OEG

THIS CENTER WILL STIMULATE, FOSTER, LEAD OUT, AND COORDINATE A VARIETY OF RESEARCH AND DEVELOPMENT EFFORTS TO IMPROVE EDUCATIONAL PRACTICE WITH THE MENTALLY RETARDED. THE GOALS OF SUCH IMPROVEMENT ARE TO ENABLE MILDLY MENTALLY RETARDED CHILDREN TO SUCCESSFULLY MOVE THROUGH SCHOOL WITHOUT BEING IDENTIFIED AS MILDLY RETARDED DURING THEIR SCHOOL YEARS TO ENTER ADULT LIFE AS NON-RETARDED FUNCTIONAL AND ACCEPTABLE MEMBERS OF SOCIETY.

G010 A COMPARISON OF AN ACHIEVEMENT BATTERY WITH TOW TESTS OF ABILITY WITH EDUCABLE MENTAL RETARDATES OEG-6-9-192061-0774 MACKINNON, RONALD C FLORIDA STATE UNIVERSITY TALLAHASSEE FLORIDA 09/01/68-03/31/69 INITIAL $1,743 OEG BEH

THIS STUDY WILL STUDY THE CONCURRENT VALIDITY OF TWO SCHOLASTIC APTITUDE TESTS AND A SCHOLASTIC ACHIEVEMENT TEST WHEN THE TESTS ARE APPLIED TO CHILDREN WITH MENTAL RETARDATION.

G015 A CURRICULUM CENTER IN SOCIAL LEARNING FOR SPECIAL CLASS PROGRAMS FOR THE EDUCABLE MENTALLY RETARDED OEG-32-42-1700-6018 GOLSTEIN, HERBERT Y, YESHIVA UNIVERSITY NEW YORK, N.Y., 6/1/66-6/30/70 RENEWAL, $52,655. OEG

THIS RESEARCH CONCERNS A CENTER TO DEVELOP AND PROVIDE A COMPREHENSIVE PROGRAM IN SOCIAL LEARNING FOR SPECIAL TEACHERS OF THE EDUCABLE MENTALLY RETARDED.

G020 A DEMONSTRATION OF THE USE OF THE TEACHER INITIATED STEP-BY-STEP TEACHING SEQUENCE AS A MEANS OF IMPLEMENTATION OF CURRICULAR CONTENT IN CLASSROOMS FOR MILDLY (EDUCABLE) MENTALLY RETARDED OEG-3-6-061910-1599 THORPE, MARJUITE, KANSAS STATE DEPARTMENT OF PUBLIC INSTRUCTION, TOPEKA, KANSAS, 6/1/66-3/31/70 RENEWAL, $34,500 OEG

THIS RESEARCH PROPOSES TO DEVELOP THE STEP-BY-STEP TEACHING SEQUENCE AS A MEANS OF IMPLEMENTATION OF CURRICULAR CONTENT, AND TO DEVELOP A PROGRAM OF REGIONAL DEMONSTRATION CLASSES TO BE USED FOR PRACTICE TEACHING AND AS INVITATION CENTERS FOR INSERVICE TRAINING PROGRAMS.

G025 A PILOT PROJECT IN CURRICULUM DEVELOPMENT FOR WORK, EXPERIENCE AND OCCUPATIONS FOR EDUCABLE MENTALLY RETARDED CHILDREN, GRADE 3 TO 8, OAKLAND UNIFIED SCHOOL DISTRICT, OAKLAND, CALIFORNIA, 8/1/66-7/31/67 RENEWAL, $4,651. OEG

THIS PROJECT AIDS TO DEVELOP CURRICULUM AND INSTRUCTIONAL MATERIALS FOR A WORK EXPERIENCE AND OCCUPATIONS COURSE FOR EDUCABLE MENTALLY RETARDED STUDENTS TO ASSIST THEM IN DEVELOPING VOCATIONAL SKILLS AND AT&TITUDES NECESSARY TO OBTAIN AND RETAIN JOBS.

G030 A RESEARCH AND TRAINING PROGRAM IN SELECTED ASPECTS OF LEXICOSYNTACTIC DEVELOPMENT IN THE MENTALLY RETARDED OEG-6-9-532163-4554 SEITZ, SUE TEXAS RESEARCH INSTITUTE OF MENTAL SCIENCES HOUSTON, TEXAS 6/30/69-6/30/72 INITIAL $95,179 OEG

THE PURPOSE OF THIS RESEARCH PROGRAM IS TWO-FOLD: (1) TO TRACE THE SEQUENCE OF THE DEVELOPMENT OF THE LEXICON AND SYNTAX AS CHILDREN; AND (2) TO DETERMINE IF THAT DEVELOPMENT CAN BE MORE FULLY AND QUICKLY REALIZED THROUGH AN EXPERIMENTAL PROGRAM OF INSTRUCTION.

G035 A SCHOOL PROGRAM FOR YOUNG MONGOLOID CHILDREN: A CURRICULUM DEVELOPMENT PROJECT, CHALICE, CHILDCARE CENTER OF ILLINOIS, URBANA, ILLINOIS, 9/1/67-8/31/70, RENEWAL, $171,075. OEG

THIS PROJECT WILL DEVELOP A CURRICULUM FOR CHILDREN WITH DOWN'S SYNDROME, IN ITS SECOND PHASE THE CURRICULUM WILL BE TESTED WITH RETARDED CHILDREN. THE TRAINING WILL INCLUDE BEHAVIOR SHAPING RELATED TO SELF-HELP SKILLS, COGNITIVE TRAINING, AND LANGUAGE TRAINING.

G040 ADJUSTMENT AND ACHIEVEMENT IN A DESEGREGATED SCHOOL SD-02863-03 GERALD, HAROLD B., UNIVERSITY OF CALIFORNIA, RIVERSIDE, CALIFORNIA, 6/69-7/31/70 RENEWAL, $121,523. OICHD

THIS RESEARCH EXAMINES THE FACTORS THAT CONSTITUTE AND CONSEQUENCES OF SUCCESSFUL INTEGRATION OF NEGRO, MEXICAN-AMERICAN, AND WHITE CHILDREN IN THE ELEMENTARY GRADES OF THE PUBLIC SCHOOL SYSTEM. IT ASSESSES BOTH LONG-TERM AND SHORT-TERM EFFECTS OF DESEGREGATION. THE RESEARCH INDICATES THAT ACHIEVEMENT AND EMOTIONAL ADJUSTMENT.

G045 AN EVALUATION OF THE FISHER WORD ATTACK SYSTEM WITH SECONDARY EDUCABLE MENTALLY RETARDED STUDENTS OEG-6-9-452137-4232 FISHER, ROBERT W., CENTER FOR INTELLIGENCE, BOARD OF EDUCATION GAHANNA, OHIO 6/15/69-8/14/70 INITIAL $23,715 OEG

THE OBJECTIVE OF THIS STUDY IS TO EVALUATE THE FISHER WORD ATTACK SYSTEM (FWAS), A SYSTEM OF WORD PRONUNCIATION THROUGH THE USE OF MONO-SYLLABIC KEY WORDS IN PLACE OF DIACRITICAL MARKS, TO DETERMINE ITS USEFULNESS WITH HANDICAPPED CHILDREN IN A PERIOD OF SELECTION AND PREPARATION OF FWAS MATERIALS. THE CURRICULUM WILL BE USED FOR JUNIOR AND SENIOR HIGH EMR'S WHOSE TEACHERS HAVE BEEN TRAINED IN ITS USES. EACH GROUP WILL RECEIVE INSTRUCTION IN THE USE OF THE DICTIONARY AND THE RELATIVE MERIT OF THE TWO SYSTEMS WILL THEN BE EVALUATED.

G050 AN INTENSIVE TRAINING CURRICULUM FOR THE EDUCATION OF YOUNG EDUCABLE MENTALLY RETARDED OEG-6-9-142106-2444 ROSS SHIELA, A AND ROSS DOROTHEA M PALO ALTO MEDICAL RESEARCH FOUNDATION PALO ALTO CALIFORNIA 01/01/69-12/31/71 INITIAL $170,549 OEG

THE OBJECTIVES OF THIS PROJECT ARE TO PREPARE AN INTENSIVE TRAINING CURRICULUM WITH EMPHASIS ON THE ACQUISITION OF GENERAL LEARNING SKILLS AND SPECIFIC SUBJECT MATTER AND SOCIAL SKILLS AND TO TEST THE HYPOTHESIS THAT THIS CURRICULUM CAN RESULT IN PROGRESS SIGNIFICANTLY GREATER THAN THAT WHICH OCCURS WITH THE TRADITIONAL CURRICULA CURRENTLY IN USE FOR YOUNG EMR CHILDREN.

G055 AN INVESTIGATION OF FACTORS INFLUENCING LEARNING IN THE MENTALLY RETARDED AND THEIR USE IN THE DESIGN OF INSTRUCTIONAL MATERIALS, SEITZ SUE, ALBERTA STATE SCHOOL, DENTON, TEXAS, 9/1/67-3/31/70, RENEWAL $35,459. OEG

THIS RESEARCH WILL INVESTIGATE SOME OF THE VARIABLES AND LEARNING TASKS RELEVANT TO THE DESIGN OF INSTRUCTIONAL MATERIALS. EFFECTS OF PROMPTING VS. CONFIRMATION, AS A TRAINING PROCEDURE WILL BE EXAMINED. THE PROJECT WILL DEVELOP VARIOUS INSTRUCTIONAL MATERIALS BASED ON THE RESEARCH RESULTS.

G060 AN OPINIONNAIRE STUDY ON THE HABILITATION OF RURAL EDUCABLE MENTALLY RETARDED ADOLESCENTS OEG-6-9-362020-0790 COPPLE, NELSON ROCKNE EASTERN MICHIGAN UNIVERSITY 12/15/66-11/14/69 INITIAL $7,710 OEG

THE PURPOSE OF THIS PROJECT IS TO PROVIDE SUGGESTIONS FOR IMPROVING THE EDUCATIONAL EXPERIENCES OF EMR ADOLESCENTS WHO RESIDE IN SPARSELY POPULATED AREAS WHERE SPECIAL CLASSES ARE NOT FEASIBLE, CURRENT AND CONCEIVABLE TO THEIR PARENTS, COUNSELORS AND SCHOOL ADMINISTRATION.

G065 AUDITORY PERCEPTUAL ABILITY RELATED TO LANGUAGE ACQUISITION IN MENTALLY RETARDED CHILDREN GRAHAM, JAMES T., PURDUE UNIVERSITY, LAFAYETTE, INDIANA, 9/1/67-8/31/70, RENEWAL, $114,982. OEG

THE OBJECTIVE OF THIS PROJECT IS THE DEVELOPMENT OF THE DATA, RELATED TO AUDITORY PERCEPTION AND LANGUAGE ACQUISITION IN THE MENTALLY RETARDED, THAT ARE
RESEARCH AND DEMONSTRATION GRANTS, 1969

REQUIRED FOR THE GENERATION OF MODELS OF LANGUAGE STIMULATION AND THERAPY PROGRAMS.

G070 BENNINGTON COUNTY DAY PROGRAM FOR PRESCHOOL MENTALLY RETARDED CHILDREN FORMAN, W. F., BENNINGTON COUNTY DAY SCHOOL, BENNINGTON, VERMONT, 3/1/68-2/28/70, RENEWAL $43,867. OE

THIS PROJECT IS AN EXPORATORY EFFORT TO DEVELOP AND EVALUATE A DAY CARE PROGRAM FOR PRESCHOOL MENTALLY RETARDED CHILDREN. THE PROGRAM WILL CONCENTRATE ON SPEECH DEVELOPMENT, MOTOR SKILLS, AND SELF-HELP TRAINING IN A GENERAL PROGRAM OF SCHOOL READINESS TRAINING.

G075 CLASS SIZE AND TEACHER AIDS AS FACTORS IN THE ACHIEVEMENT OF THE EDUCABLE MENTALLY RETARDED ORG-E5-6-062629-1879, BLESSING, KENNETH R., WISCONSIN DEPARTMENT OF PUBLIC INSTRUCTION, MADISON, WISC., 6/15/66-12/14/69 RENEWAL, $53,952 OE

THIS RESEARCH PROPOSES TO RESOLVE, IN PART, THE MANPOWER PROBLEM IN SPECIAL EDUCATION WHILE MAINTAINING OR IMPROVING THE PROFESSIONAL POTENTIALITY OF PRESENTLY AVAILABLE SPECIAL TEACHING PERSONNEL. THREE VOLUNTEER TEACHERS OF EMR CLASSES IN THE WAUKEE SCHOOL SYSTEM WILL BE ASSIGNED A RANDOM BASIS TO EACH OF THE 8 CELLS OF A 2-CUDED COMPLETE FACTORIAL DESIGN.

G080 CLASSICAL CONDITIONING IN RETARDATES AND NORMALS (MH-10235-05) ROSS, LEONARD E., UNIVERSITY OF WISCONSIN, MADISON, WISC., 9/69 RENEWAL, $29,386 NIMH

THIS RESEARCH PROPOSES TO CLASSICAL EYELID CONDITIONING TECHNIQUES TO INVESTIGATE BASIC LEARNING PROCESSES IN NORMAL AND RETARDED CHILDREN. PARAMETERS OF INTEREST INCLUDE CRIP INTERVALS, PARTIAL REINFORCEMENT EFFECTS, STIMULUS PARAMETERS AND INHIBITION PHENOMENA.

G085 COGNITIVE TRAINING WITH RETARDED CHILDREN—III CORTER, HAROLD M., NORTH CAROLINA STATE UNIVERSITY, RALEIGH, N.C., 6/16/67-6/30/70, RENEWAL, $135,136. OE

THIS RESEARCH PROPOSES TO DETERMINE THE EFFECTIVENESS OF FLEXIBLE—RIGIDITY RESPONSEIVITY-RESPONSIVENESS TRAINING WITH RETARDED CHILDREN, TO DEVELOP THE PREVIOUSLY TESTED SIMILARITIES-DIFFERENCES CONCEPT FORMATION PROGRAM TO A FUNCTIONAL LEVEL, AND TO DEVELOP NEW PROGRAMS FOR TESTING AND COGNITIVE TRAINING IN AREAS OF JUDGMENT AND DISCRIMINATION, PERCEPTUAL TRAINING, DEUTERO LEARNING, AND CREATIVITY AND ORIGINALITY.

G090 CONTEXTUAL USE IN READING PERFORMANCE AS A FUNCTION OF TYPE OF MATERIAL AND LEVEL OF INTELLIGENCE 066-5-9-452204-0071 HARGIS, CHARLES H., KENT STATE UNIVERSITY OHIO 9/15/69-9/14/70 INITIAL $9,493 OE BEH

THE SPECIFIC OBJECTIVES OF THIS RESEARCH ARE TO COMPARE NORMAL AND MENTALLY RETARDED SUBJECTS (1) ABILITY TO UTILIZE CONTEXT IN MATERIAL WHICH HAS BEEN ALTERED IN ITS CONTEXTUAL PROPERTIES (2) COMPREHENSION OF MATERIAL READ ALIGHT COVERTLY USING CONTEXT (3) COMPREHENSION OF MATERIAL READ ALIGHT COVERTLY USING CONTEXT (3) COMPREHENSION OF MATERIAL AS A FUNCTION OF MATERIAL CONTEXTUAL PROPERTIES CLOZE (EVERY FIFTH WORD DELETED) VS MODIFIED CLOZE (NONSENSE SYLLABLES SUBSTITUTED FOR EVERY FIFTH WORD) VS COMPLETE UNALTERED PASSAGE.

G095 DEMONSTRATION OF DISSEMINATION PRACTICES ON SPECIAL CLASS INSTRUCTION FOR THE MENTALLY RETARDED, UTILIZING MASTER TEACHERS AS IN-SERVICE EDUCATORS ORG-E5-6-062833-0499, CARR, DONALD AND MEYEN, EDWARD, UNIVERSITY OF IOWA, DES MOINES, IOWA, 11/1/66-10/31/69 RENEWAL $127,820. OE

THIS RESEARCH PROPOSES TO DEMONSTRATE THAT A STATE-WIDE COORDINATED IN-SERVICE EDUCATION PROGRAM USING MASTER TEACHERS AS IN-SERVICE EDUCATORS WILL BE EFFECTIVE IN THE IMPROVEMENT OF PROGRAMS FOR EDUCABLE MENTALLY RETARDED CHILDREN. TO DISSEMINATE THE MATERIAL AND INFORMATION ON INSTRUCTIONAL METHODS TO SPECIAL CLASS TEACHERS, AND TO BRIDGE THE GAP BETWEEN RESEARCHER AND CLASSROOM TEACHER.

G100 DETERMINING CRITERIA FOR ASSESSMENT AND REMEDIATION PROCEDURES IN SELF-MADE DEVELOPMENTAL PHYSICAL SKILLS OF TRAINABLE MENTALLY RETARDED AND MULTI-HANDICAPPED PUPILS ORG-E5-0-9-142709-3463 CARR, DOROTHY B., LOS ANGELES CITY SCHOOLS LOS ANGELES CALIFORNIA 4/28/69-12/27/70 INITIAL $167,087 OE

THE PURPOSE IS TO DEVELOP AND FIELD TEST DEVELOPMENTALLY SEQUENCED INSTRUCTIONAL ACTIVITIES APPROPRIATE FOR A COMPREHENSIVE PHYSICAL EDUCATION PROGRAM FOR HANDICAPPED PUPILS FROM PRESCHOOL THROUGH HIGH SCHOOL.

G105 EARLY INTELLIGENT-training and SCHOOL PERFORMANCE, HD-02283-0381 (HD-02253-03), PALMER, FRANCIS H., CITY OF NEW YORK, N.Y., (1) 7/67-5/70, N.Y., (2) 6/69-5/70, RENEWAL, (1) $2,632. (2) $92,839. NICH

THIS RESEARCH PROPOSES TO DETERMINE THE EFFECTS OF TRAINING CHILDREN AGED 2 AND 3 UPON SUBSEQUENT PERFORMANCE IN THE FIRST GRADE TO INVESTIGATE THE MAIN AND INTERACTIVE EFFECTS OF TRAINING, AGE OF TRAINING, AND SOCIAL CLASS ON SUBSEQUENT CLASS ROOM PERFORMANCE AND TO DETERMINE THE RELATIONSHIP BETWEEN EDUCATION OF PARENTS, ORDNAL POSITION, SIZE OF FAMILY, AND OTHER BACKGROUND CHARACTERISTICS.

G110 EVALUATING AN INTEGRATED APPROACH TO THE MANAGEMENT OF CEREBRAL PALSY ORG-E5-0-9-592149-4540 HOUSE JAMES B WISCONSIN STATE UNIVERSITY, EVAN CLAIRE WISCONSIN 6/1/69-3/31/70 INITIAL $35,910 OE

THE PURPOSE OF THIS PROPOSAL IS TO EVALUATE THE EFFECTS OF AN INTEGRATED TREATMENT AND EDUCATIONAL APPROACH TO CEREBRAL PALSY PATTERNS AFTER THE METHODS DEVELOPED BY THE HUNGARIAN NEUROLOGIST, EDUCATOR, ANDRAS PETO. "INTEGRATED TREATMENT" MEANS THAT ALL TREATMENT AND SUPPORTING ACTIVITIES ARE PROPERLY ASSIGNED TO THE PROFESSIONAL PERSON PERSON. TREATMENT WILL BE DONE WITH 20 SEVERELY INVOLVED ATELEOID CHILDREN WORKING AND LIVING AS A GROUP.

G115 FACILITATION OF COGNITIVE DEVELOPMENT AMONG CHILDREN WITH LEARNING DEFICITS ORG-E5-0-9-592149-4540 House JAMES B MICHIGAN STATE UNIVERSITY, EAST LANSING, MICHIGAN, 2/1/68-1/31/71, RENEWAL $74,868 OE

THIS RESEARCH WILL DIAGNOSE SPECIFIC LEARNING DEFICITS, DESIGN MATERIALS AND PROCEDURES, AND TEST THESE MATERIALS AND PROCEDURES WITH CONTROLLED GROUP OF MENTALLY RETARDED AND NORMAL CHILDREN TO DETERMINE THEIR EFFECTIVENESS AS AIDS TO COGNITIVE DEVELOPMENT.

G120 FACTORS RELATED TO SPEECH HEARING BY MENTALLY RETARDED CHILDREN ORG-E5-9-57167-4270 HARGIS, CHARLES J., UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON 6/15/69-6/14/71 INITIAL $127,669 OE

THIS RESEARCH WILL INVESTIGATE THE AUDITORY BEHAVIOR OF MENTALLY RETARDED CHILDREN TESTED ON THRESHOLD BY IDENTIFICATION OF PICTURES AND DISCRIMINATION BY IDENTIFICATION OF PICTURES (DIP) TO ESTABLISH SPEECH LEARNING CHARACTERISTICS OF THE SUBJECTS.

G125 INVESTIGATION OF SYSTEMATIC INSTRUCTIONAL PROCEDURES TO FACILITATE ACADEMIC ACHIEVEMENT IN MENTALLY RETARDED DISADVANTAGED CHILDREN ORG-E5-0-9-57167-4270 HARGIS, CHARLES J., UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON 6/15/69-6/14/71 INITIAL $127,669 OE

THIS PROJECT IS DESIGNED TO FACILITATE ACADEMIC ACHIEVEMENT IN MENTALLY RETARDED CHILDREN GRADES 2-5. THE MAJOR OBJECTIVE IS TO INITIATE AN EXPERIMENTAL, IN-DIVIDUALIZED INSTRUCTIONAL PROGRAM FOR THE MENTALLY RETARDED CHILD IN ONE OF 3 EXSERPICAL CLASS ROOMS AT HIS LEVEL OF SKILL DEVELOPMENT AND INSTRUCT HIM TOWARD THE TERMINAL OBJECTIVE OF REGULAR CLASS PLACEMENT WITH MATH AND READING ADJUSTED TO HIS OWN GRADE LEVEL. THE PROJECT WILL INCREASE AN EXPERIMENTAL TREATMENT OVER A TWO YEAR PERIOD WHICH INCORPORATES PRINCIPLES OF INSTRUCTION AND PROCEDURES OF ERRORLESS LEARNING INTO A SYSTEMATIC INSTRUCTIONAL PROGRAM.

G130 LEARNING POTENTIAL AND EDUCABILITY AMONG THE EDUCABLY MENTALLY RETARDED ORG-E5-9-57167-4270 HARGIS, CHARLES J., UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON 6/15/69-6/14/71 INITIAL $127,669 OE

THIS RESEARCH WILL FOCUS ON DISCRIMINATING AMONG THE SUBGROUPS WITHIN THE NON-GAINER CATEGORY AND SEEK A
CRITERIA BY WHICH TO IDENTIFY THESE CHILDREN WITHIN THE CONTEXT OF THE LEARNING POTENTIAL APPROACH. TWO HYPOTHESES WILL BE EXAMINED TO EXPLAIN THE UNRESPONSIVENESS OF NON-GAINERS.

G135 MATHEMATICS CURRICULUM INNOVATION AND EDUCATION FOR EDUCABLY MENTALLY RETARDED ARMSTRONG, JENNY, UNIVERSITY OF WISCONSIN, MADISON, WISCONSIN, 6/17/68-8/16/69, RENEWAL, $8,369. OC

THIS INVESTIGATION COMPARES THE RELATIVE EFFICACY OF FOUR DIFFERENT MATHEMATICS CURRICULUMS FOR EDUCABLY MENTALLY RETARDED PUPILS, REPEATED USE FOR REINFORCEMENT AND THE USE OF MINIPULATIVE AIDS TO MAKE UP THE CHIEF DIFFERENCES IN THE CURRICULUMS TO BE TESTED.

G140 MOBILE RECREATION AND PHYSICAL EDUCATION UNIT O6-0-9-27270-4263 MARSHALL, WAYNE KENTUCKY ASSOCIATION FOR RETARDED CHILDREN FRANKFORT, KY 6/1/66-6/15/70 INITIAL $51,572 OE

THE MOBILE RECREATION AND PHYSICAL EDUCATION UNIT WILL BE A FOUR-WHEELER- type vehicle and staff that will be contained to provide, reference point, and center for the mentally retarded programs that will be offered to the latest information in techniques and materials to ongoing programs for all levels of personnel. Special programs will be devised for high school and college students in an effort to interest young people in physical education for the mentally retarded.


THIS PROGRAM WILL IDENTIFY DEVELOP AND TEST INDIVIDUALIZED CURRICULAR MATERIALS WHICH WHEN USED BY EMRS WILL INCREASE THEIR INDEPENDENT FUNCTIONING. A CENTRAL STAFF WILL WORK WITH TWO TEACHERS, TWO TEACHER AIDS THE STUDENTS, THEIR PARENTS AND FAMILIES TO DEVELOP SPECIFIC SEQUENTIAL PERFORMANCE OBJECTIVES FOR TWO CLASSES OF EMRS.

G150 PROPOSED RESEARCH CURRICULUM FOR TRAINABLE RETARDED CHILDREN O6-0-9-35202-6-0058 Collins, D. HARDIN A. ST LOUIS UNIVERSITY ST LOUIS MISSOURI 1/1/67-12/31/69 INITIAL $10,000 OE

THIS PROJECT PROPOSES A RESEARCH CURRICULUM FOR TRAINABLE RETARDED CHILDREN AND IS BASED ON AN OPERANT CONDITIONING METHODOLOGY. THE TWO MAIN AREAS OF CONCENTRATION WILL BE (1) ADAPATIVE BEHAVIOR AND COGNITIVE STIMULATION THE OBJECTIVES OF THE PROGRAM WILL BE FOUR FOLD: (1) CHILD (2) FAMILY (3) RESEARCH (4) TRAINING VARIABLES.

G155 RESEARCH TESTING THE FEASIBILITY OF PARENT TRAINING IN PRECISE BEHAVIOR MANAGEMENT WITH MENTALLY RETARDED CHILDREN O6-0-9-8-542/155-2023 Rickert, Davoce C. UTAH STATE UNIVERSITY LOGAN, UTAH 5/1/69-11/30/69 INITIAL-$3,537 OE

THE MAJOR CONCERN OF THIS STUDY IS THE QUESTION: CAN THE PARENTS OF RETARDED CHILDREN BE TRAINED TO BECOME MORE EFFICIENT MANAGERS OF THEIR CHILD'S BEHAVIOR WHEN PARENTS ARE INSTRUCTED USING A BEHAVIOR MODIFICATION SYSTEM RELYING ON PERFORMANCE RATE DATA AND CHARTED BEHAVIORAL OBSERVATION.

G160 RETARDED AND EMOTIONALLY DISTURBED PRE-SCHOOL CHILDREN O6-0-9-232301-076 2 BIJOU, SIDNEY W UNIVERSITY OF ILLINOIS URBANA ILLINOIS 9/16/68-8/31/71 INITIAL $167,497 OE

THE GENERAL AIM IS TO APPLY OPERANT LEARNING PRINCIPLES TO THE DEVELOPMENT OF PROCEDURES AND MATERIALS FOR RETARDED AND EMOTIONALLY DISTURBED PRE-SCHOOL CHILDREN. SPECIFIC AREAS TO INCLUDE: (1) DEFINE AND EXPLAIN THE STEPS REQUIRED TO WEAKEN DISRUPTIVE SCHOOL BEHAVIORS AND TO STRENGTHEN PRECURSORY ACADEMIC BEHAVIORS (2) DEFINE THE PROGRAMMED INSTRUCTIONAL MATERIALS AND PROCEDURES IN ACADEMIC READINESS AND IN READING, WRITING AND ARITHMETIC (3) MAKE THE PROCEDURES FOR TRAINING PARENTS TO EXTEND INTO THE HOME THE PRACTICES OF THE NURSERY SCHOOL.

G165 ROLE TAKING BEHAVIOR IN THE MENTALLY RETARDED O6-0-9-422029-0713 FEEFER, MELVIN YISHIVA UNIVERSITY NEW YORK, NEW YORK 8/1/69-11/30/69 INITIAL $1,401 OE

THE IMMEDIATE AIM OF THE RESEARCH IS THE ADAPTATION OF A PROJECTIVE ROLE TAKING TASK (RTT) FOR USE WITH MENTALLY RETARDED INDIVIDUALS. THE RTT WILL FIRST BE GIVEN TO SMALL SAMPLES OF MENTALLY RETARDED SUBJECTS REPRESENTING A RANGE OF MENTAL AND CHRONOLOGICAL AGE ON THE BASIS OF WHICH DECISIONS WILL BE MADE IN REGARD TO STIMULUS MATERIAL INSTRUCTIONS AND SCORING CRITERA. THE AMENDED RTT WILL THEN BE ADMINISTERED TO A LARGER GROUP OF RETARDED SUBJECTS. INTERJUDGE AND TEST RELIABILITY WILL THEN BE EVALUATED IN COMPARISON TO THAT FOUND IN PREVIOUSLY STUDIED SAMPLES OF NORMAL ADULTS AND CHILDREN.

G170 SENSORY-PERCEPTUAL LANGUAGE TRAINING TO PREVENT SCHOOL LEARNING DISABILITIES IN CULTURALLY DEPRIVED PRE-SCHOOL CHILDREN O6-0-9-32-52-7906-5025, MCCONNELL, FREEMAN, THE BILL WILKINS HEARING AND SPEECH CENTER, NASHVILLE, TENN., 6/1/65-5/31/69 RENEWAL, $65,582. OF

THIS RESEARCH FOCUSES UPON AN ORGANIZED, STRUCTURED, AND INTENSIVE PERCEPTUAL AND LANGUAGE STIMULATION PROGRAM FOR PRE-SCHOOL CHILDREN DIRECTED AT THE PREVENTION OF SCHOOL FAILURE, THE FAILURE TO ACHIEVE, AND THE SUBSEQUENT SCHOOL DROPOUT.

G175 THE DEVELOPMENT OF CULTURALLY DEPRIVED CHILDREN O6-0-9-124210-4449 CRAPPY, RAY J UNIVERSITY OF CALIF LOS ANGELES CALIFORNIA 6/1/69-10/10/70 INITIAL $40,668 OE

THE PURPOSE IS TO EXPLORE THE MANNER IN WHICH A PROGRAM INCORPORATES BEHAVIOR MODIFICATION, MOVEMENT, HOPPING, LINE WALKING, JUMPING MAY AID RETARDED CHILDREN TO BETTER FUNCTION IN SELECTED ACADEMIC PURSUITS.

G180 THE EFFECT OF A PROGRAM OF GROSS BODY MOVEMENT UPON SELECTABLE ABILITIES OF RETARDED CHILDREN O6-0-9-4-124210-4449 CRAPPY, RAY J UNIVERSITY OF CALIF LOS ANGELES CALIFORNIA 6/1/69-10/10/70 INITIAL $40,668 OE

THE EFFECT OF A PROGRAM OF GROSS BODY MOVEMENT UPON SELECTABLE ABILITIES OF RETARDED CHILDREN O6-0-9-4-124210-4449 CRAPPY, RAY J UNIVERSITY OF CALIF LOS ANGELES CALIFORNIA 6/1/69-10/10/70 INITIAL $40,668 OE

THE PURPOSE IS TO EXPLORE THE MANNER IN WHICH A PROGRAM INCORPORATES BEHAVIOR MODIFICATION, MOVEMENT, HOPPING, LINE WALKING, JUMPING MAY AID RETARDED CHILDREN TO BETTER FUNCTION IN SELECTED ACADEMIC PURSUITS.

G185 THE EFFECT OF INTERPOLATING SUCCESS EXPERIENCES INTO CLASSES FOR THE RETARDED O6-0-9-2-242086-0029 SPEAKER, HOWARD CENTER FOR MENTAL DEFICIENCY INDIANA UNIVERSITY FOUNATION BLOOMINGTON, INDIANA 11/15/68-11/14/69, INITIAL $9,973 OE

SINCE THE INCEPTION OF POTTER'S SOCIAL LEARNING THEORY THE INTEREST IN SUCCESS AND FAILURE EXPERIENCES AS THEY AFFECT THE MENTALLY RETARDED CHILD HAS BEEN RAPIDLY INCREASING AND APPROACHING THE GOAL OF PRACTICAL APPLICATIONS. THIS STUDY WILL LOOK CLOSELY AT VARIOUS ASPECTS OF THE SUCCESS CONDITION. AN ACTUAL CLASSROOM ACTIVITY WILL BE USED TO MEASURE THE EFFECTS OF SUCCESS UPON PERFORMANCE.

G190 THE MEASUREMENT AND COMPARISON OF VARIABLES RELATED TO DRIVE HIGHWAY SAFETY BETWEEN EDUCABLE MENTALLY RETARDED AND NORMAL HIGH SCHOOL AGE PUPILS IN PENNSYLVANIA O6-0-9-482062-1362 KETTERING, W. RICHARD AND MULLIN RAYMOND C. MILLERSVILLE STATE COLLEGE, MILLERSVILLE, 11/1/69-11/30/69 INITIAL $1,566 OE

TO MEASURE THOSE VARIABLES WHICH ARE RELATED TO SAFE DRIVING IN THE FOLLOWING COMPARISON GROUPS: 400 EMRS COMPARED WITH 400 NORMS' HIGH SCHOOL PERSONS WHO HAVE BEEN INVOLVED IN ACCIDENTS COMPARED WITH EMRS' AND NORMAL PERSONS WHO HAVE NOT BEEN INVOLVED IN ACCIDENTS. TO DEVELOP AN INSTRUMENT THAT MEASURES SITUATIONAL STRESS; TO FORMULATE A BATTERY OF SPECIFIC VARIABLES WHICH WOULD INDICATE A PERSON'S POTENTIAL SUCCESS AS A SAFE DRIVER. THESE ARE THE OBJECTIVES OF THIS RESEARCH.

G195 THE RELATIONSHIP AMONG VARIOUS DICHOTOMOUS DESCRIPTIVE PERSONALITY SCALES AND ACHIEVEMENT IN RETARDED RINGLEHEIM, DANIEL NEW YORK UNIVERSITY, NEW YORK, NEW YORK, 9/1/67-12/26/69 RENEWAL, $3,843. OE 51
AMELIORATION - VOCATIONAL REHABILITATION

H005 AN AREA-WIDE EDUCATIONAL VOCATIONAL PREPARATION AND PLACEMENT PROGRAM FOR HIGH SCHOOL EDUCABLE MENTALLY RETARDED STUDENTS OF MUSKEGON COUNTY, MICHIGAN - A TOTAL COMMUNITY-OECD-12-0000-K-019, ADAIR NORMAND, MUSKEGON AREA INTERMEDIATE SCHOOL DISTRICT, MUSKEGON, Mich., 9/1/68-8/31/69, RENEWAL, $51,645.00. THIS RESEARCH PROPOSES TO DEVELOP A 4-YEAR PROGRAM FOR 250 STUDENTS WITH EMPHASIS ON SOCIAL ADJUSTMENT AND WILL CONDUCT LIFE-ORIENTED ACADEMIC PREPARATION, JOB-ORIENTED PRACTICAL, AND WORK SKILL EDUCATION, JOB EVALUATION, COUNSELING WITH PUPILS AND PARENTS, ON-THE-JOB TRAINING, JOB PLACEMENT, AND VOCATIONAL FOLLOW-UP.

H010 ASSESSING OF WORK PERSONALITIES OF MENTALLY RETARDED ADULTS RD-2568-P, LLOYD H. LOFOQUIST, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN., 7/1/68-6/30/69, SRS-ORDT. THIS RESEARCH IS CONCERNED WITH DEVELOPING RELIABLE MEASURES OF VOCATIONAL ABILITIES AND VOCATIONAL NEEDS WHICH CAN BE ADMINISTERED MEANINGFULLY TO RETARDED ADULTS, NORMATIVE DATA WILL BE OBTAINED WHICH WILL BE OF USE TO VOCATIONAL REHABILITATION COUNSELORS WORKING WITH THE RETARDED.

H015 COGNITIVE AND ATTITUdINAL-MOTIVATIONAL FACTORS IN PERFORMANCE OF RETARDED NORMAN A. MILGRAM, RD-2569-P, CATHOLIC UNIVERSITY OF AMERICA, WASHINGTON, D.C., 8/1/68-7/31/69, INITIAL, $52,826.00, SRS-ORDT. COGNITIVE FACTORS IN RETARDED WILL BE DEVELOPED THROUGH THEIR PARTICIPATION IN A NON-VERBAL TRAINING IN LOGIC COURSE. VERBAL AND NON-VERBAL TECHNIQUES TO ASSESS ATTITUdINAL-MOTIVATIONAL VARIABLES THAT APPEAL TO USEFUL OF COGNITIVE ABILITIES WILL BE DEVISED.

H020 COGNITIVE DEVELOPMENT IN CHILDREN WITH BRAIN DAMAGE BORNTNER, MORTON, YESSHA UNIVERSITY, NEW YORK, N.Y., 2/1/68-1/31/70, RENEWAL $69,118.00. THIS RESEARCH WILL SEEK INFORMATION ON AN AGE-SPECIFIC DEFINITION OF THE STRUCTURE OF INTELLECT, DESCRIPTION OF THE PATTERNS OF GROWTH, AND INTELLECTUAL ABILITY TO ACADEMIC ACHIEVEMENT IN BRAIN DAMAGED CHILDREN.

H025 COMMUNITY ORGANIZATION ACTION PLAN FOR THE MENTALLY RETARDED RD-929-G, TITUS, GARY, COordinating council ON MENTAL RETARDATION, SAN FRANCISCO, CALIFORNIA, 11/1/68-10/31/69, RENEWAL, $98,645. SRS-ORDT. THIS RESEARCH PROPOSSES TO INITIATE ACTION ON NEEDED SERVICES TO INCREASE UTILIZATION OF ALL SERVICES, AND PROVIDE CHANNELS FOR EFFECTIVE COORDINATION OF THE DEVELOPMENT OF NEW AND EXPANDED PROGRAMS TO INSURE THE WISEST USE OF MANPOWER FOR MAXIMUM SERVICE.

H030 COMPARATIVE EFFORTS IN COMMUNITY ORGANIZATIONS: A STUDY OF FIVE INTER-ORGANIZATIONAL COMPARATIVE PROJECTS RD-3079-G, HAGE, GERALD, UNIVERSITY OF WISCONSIN, MADISON, WISC., 5/1/69 - 4/30/70 INITIAL, $32,257 SRS-ORDT.

H035 COMPREHENSIVE COMMUNITY-BASED SERVICES FOR THE RETARDED RD-1435-G, ORAZACK, LOUIS, PARENTS AND FRIENDS OF MENTALLY RETARDED CHILDREN OF BRIDGEPORT, CONNECTICUT, 11/31/68-10/31/69 RENEWAL, $91,449, SRS-ORDT. THIS RESEARCH PROPOSES TO DEVELOP A MODEL OF COMPREHENSIVE SERVICES BASED ON RESOURCES OF THE COMMUNITY AND TO SHOW THAT SUCH COMMUNITY BASED SERVICES ARE THE LOGICAL AND MOST EFFECTIVE WAY OF SERVING THE CHANGING NEEDS OF THE INDIVIDUAL RETARDATE.
RESEARCH AND DEMONSTRATION GRANTS, 1969

H070 READING-FREE VOCATIONAL INTEREST INVENTORY
BECKER, RALPH L., OHIO BUREAU OF MENTAL
RETARDATION, COLUMBUS, OHIO, 6/24/68-6/23/70
RENEWAL, $25,336. OE
THIS PROJECT WILL DEVELOP AND TEST A READING-FREE VOCATIONAL INTEREST TEST FOR ADOLESCENT SLOW-LEARNERS AND YOUNG ADULT RETARDEES ENROLLED IN WORK-STUDY AND PRE-VOCATIONAL PROGRAMS.

H075 RESTRUCTURING THE ROLE OF THE CONSUMER REPRESENTATIVE IN THE CHANGE PROCESS TO IMPROVE SERVICES FOR THE MENTALLY RETARDED RD-3705-P, SOKOLOFF, DAVID H., CALIFORNIA COUNCIL FOR RETARDED CHILDREN, SACRAMENTO, CALIF., 5/1/69-12/31/69, INITIAL, $25,000 SRS ORDT
A PILOT STUDY TO ANALYZE AND STRUCTURE A CHANGE PROCESS THAT WILL LEAD TO IMPROVEMENT IN THE SERVICES AVAILABLE TO THE RETARDED.

H080 SKILL ANALYSIS FOR PREDICTING VOCATIONAL SUCCESS OF THE MENTALLY RETARDED RD-2599-P, HENRY VISCARDI JR., HUMAN RESOURCES CENTER, ALBERTSON, N.Y., 7/1/68-6/30/69, INITIAL, $50,170, SRS ORDT
THE PURPOSE OF THIS RESEARCH IS TO ANALYZE THE NATURE OF SPECIFIC INDUSTRIAL AND CLERICAL JOBS IN TERMS OF INTELLECTUAL, PHYSICAL AND PSYCHOMOTOR PREREQUISITES NECESSARY FOR PREDICTING VOCATIONAL SUCCESS WITH THE MENTALLY RETARDED. EVALUATIVE INSTRUMENTS TO PREDICT SUCCESS WILL BE DEVELOPED.

H085 SPECIAL SERVICES--RECREATION FOR THE HANDICAPPED RD-2209-G, FREEBERG, WILLIAM H., SOUTHERN ILLINOIS UNIVERSITY, CARBONDALE, ILL., 9/1/68-5/31/69, RENEWAL, $20,000 SRS ORDT

H090 TRAINING NON-PROFESSIONAL COMMUNITY PROJECT LEADERS (MH-0551-0551) MH-14821-0552) MADORE, C. ELIZABETH, DONA AND MENTAL HEALTH SERVICES, LAS UECES, NEW MEXICO, 10/69, RENEWAL, $12,525.
NIMH
THIS RESEARCH PROPOSES TO EXPLORE THE EFFECTIVENESS OF A SPECIAL METHOD OF SELECTING, ASSIGNING, TRAINING AND GIVING CONSULTATION TO NON-PROFESSIONAL MENTAL HEALTH WORKERS AS THEY AND THE COMMUNITY DEVELOP SPECIFIC MENTAL HEALTH SERVICES.

AMELIORATION - MEDICAL TREATMENT

H045 ALBUMIN BINDING CAPACITY AND KERNICTERUS NS-6919-O, BODEN, THOMAS R., JR., PENNSYLVANIA HOSPITAL, PHILADELPHIA, PENNSYLVANIA, 521,384. NINDS
1/69-1/70, RENEWAL, $27,706.
NINDS
THIS RESEARCH PROPOSES TO BEGIN A CLINICAL TRIAL OF THE USE OF THE HAB Binding as a GUIDE TO THE MANAGEMENT OF THE JAUNDICE INFANT. IN ADDITION, ALL EXCHANGE TRANSFUSIONS, EXCEPT THOSE PERFORMED ON SICK ERYTHROBLASTIC INFANTS, WILL BE DONE WITH ALBUMIN FORTIFIED WITH DONOR BLOOD. EXPERIENCE SUGGESTS THAT THESE MEASURES WILL REDUCE THE NUMBER OF EXCHANGE TRANSFUSIONS PERFORMED AT THIS INSTITUTION.

H050 CONVULSIVE AND ANTICONVULSIVE MECHANISMS IN CHILDREN, NS-5161-05, MILICHAP, J. GORDON, CHILDREN'S MEMORIAL HOSPITAL, CHICAGO, ILL., 4/68-5/69, RENEWAL, $8,211, NINDS
THIS RESEARCH IS CONCERNED WITH THE CONTROL OF SEIZURES AND EEG DISCHARGES AS RELATED TO CHANGES IN LEVELS OF AMINO ACIDS IN URINE AND BLOOD OF INFANTS AND CHILDREN WITH VARIOUS EPILEPSIES.

H055 DEMONSTRATING ADAPTIVE BEHAVIOR-PsicHEATRIC PROBLEM (MH-14901-05) LELAND, HENRY, AMERICAN ASSOCIATION ON MENTAL DEFICIENCY, COLUMBUS, OHIO, RENEWAL, $115,792.
NIMH
THIS RESEARCH PROPOSES TO PROVIDE NEW INFORMATION ON THE USE AND FUNCTION OF ADAPTIVE BEHAVIOR. THIS INFORMATION WILL FURTHER OUR UNDERSTANDING OF THE TREATMENT AND TRAINING NEEDS OF EMOTIONALLY DISTURBED AND MENTALLY RETARDED INDIVIDUALS.
RESEARCH AND DEMONSTRATION GRANTS, 1969

1060 PHYSIOLOGY OF GROWTH, ACID-BASE AND ENERGY METABOLISM HD3993-01A, WINTERS, ROBERT W., COLUMBIA UNIVERSITY, NEW YORK, NEW YORK, 1/69-12/71, INITIAL, $355,074. NICHD

This program has as one of its projects a study of the influences of various forms of therapy in patients with respiratory distress syndrome. A rational program of therapy based on these observations is planned.

1065 TREATMENT OF PATIENTS WITH HOMOCYSTINURIA, NS 8532-01, (PRECEDED BY AM-NB 12431-01) WONG, PAUL W., CHICAGO MEDICAL SCHOOL, CHICAGO, ILL., 10/68-6/69, INITIAL, $23,841. NINDS

Objectives to determine the optimal quantities of homoserine, cysteine and methionine required in the dietary treatment of patients with homocystinuria to bring about in vivo synthesis of cystathionine, and to study the effect of large doses of pyridoxine on the metabolism of methionine in animal tissues.

1070 TREATMENT OF SEROTONIN DEFICIENCY IN MONGOLS, H-256, COLEMAN, MARY, CHILDREN'S HOSPITAL OF THE DISTRICT OF COLUMBIA, WASHINGTON, D.C., 3/7/69-2/28/70, RENEWAL, $21,311. SRS-CB

No abstract supplied.

OTHERS

J005 A COMMUNICATION SCIENCES RESEARCH PROGRAM, NS-6459-04, MOORE, PAUL, UNIVERSITY OF FLORIDA, GAINESVILLE, FLA., 2/69-1/70, RENEWAL, $197,850. NINDS

The purpose of this project is to develop an integrated program of research in communications sciences involving scientists of various disciplines to do research in a single program and laboratory facility.

J010 A PROGRAM OF CENTER RESEARCH, HD 01352-02, HEBER, RICK F., UNIVERSITY OF WISCONSIN, MADISON, WIS., 3/69-2/71, RENEWAL, $175,600. NICHD

No abstract supplied.

J015 AIDING COGNITIVE GROWTH IN DISADVANTAGED PRESCHOOLER R-300, LEVENSTEIN, PHYLLIS, FAMILY SERVICE ASSOCIATION OF NASSAU COUNTY, INC., MINEOLA, NEW YORK, 7/1/69-6/30/70, RENEWAL, $107,926. SRS-CB

The purpose of this research is to determine the effectiveness of early intervention in aiding cognitive growth in disadvantaged preschool children. 64 mother-child dyads will be included in the study in an experimental group and 30 in a control group.

J020 BEHAVIORAL CLASSIFICATION OF NEUROLOGICAL PATIENTS, NS-3553-08, MURRAY, MASSACHUSETTS GENERAL HOSPITAL, BOSTON, MASS., 5/69-4/70, RENEWAL, $85,894. NINDS

Research to develop techniques for generating and maintaining behavior in neurological patients including severely brain-damaged and abnormal child behavior and mental development.

J025 CENTER GRANT FOR MENTAL RETARDATION RESEARCH CENTER HD4583-01, DORFMAN, ALBERT, UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS, 6/69-5/74, INITIAL, $439,110. NICHD

This project includes a study of important genetic problems relevant to mental retardation with an emphasis on developmental neurochemistry. The main objective of the project is to provide a scientific basis for the understanding of biologic problems which result in mental retardation.

J030 CENTER GRANT: FK CENTER- GEORGE PEABODY COLLEGE HD4510-01, HOBS, NICHOLAS, GEORGE PEABODY COLLEGE FOR TEACHERS, NASHVILLE, TENNESSEE, 6/69-5/74, INITIAL, $287,612. NICHD

The purpose of this project is to establish an organized program of research and training in mental retardation and related aspects of human development. Some of the specific interests are intellectual development, individual differences and school learning, normal child development, impaired functioning in children with actual behavioral problems, bio-behavioral studies, and basic research in psychobiology.

J035 CENTER FOR RESEARCH IN MENTAL RETARDATION HD4024-01, O'BRIEN, DONOHAY, UNIVERSITY OF COLORADO, DENVER, COLORADO, 1/69-12/71, INITIAL, $93,451. NICHD

The purpose of this project is to establish a center for research in mental retardation and related aspects of human development.

J040 CLINICAL AND LABORATORY STUDIES ON RUBELLA HD 60737-05, SCHIFF, GILBERT MARTIN, UNIVERSITY OF CINCINNATI, CINCINNATI, OHIO, 2/69-1/72 RENEWAL $363,614. NICHD

This research concerns development of more practical tests for rubella, serological surveys to determine immune status of the general population to provide information for future prophylactic programs, longitudinal studies on new borns to determine the incidence of congenital rubella, evaluation of the efficacy of gamma globulin to prevent fetal abnormalities, and studies of epidemiology.

J045 DECISION CRITERIA IN ENDODENOUS MENTALLY RETARDED ADULTS, RD-2625-P, WILSON P. TANNER, JR., UNIVERSITY OF MICHIGAN, ANN ARBOR, MICH., 4/1/68-5/31/69, INITIAL, $26,570. SRS-ORDT

This research will study the role of decision criteria in decision making by endogenous mentally retarded adults. Experimental techniques will be developed within the framework of signal detectability.

J050 DEVELOPMENT OF A DEMONSTRATION DAY CARE CENTER FOR YOUNG CHILDREN K-4, RONALD LALLY, SYRACUSE UNIVERSITY, SYRACUSE, NEW YORK, 7/1/69-6/30/70, RENEWAL, $349,788. SRS-CB

This research focuses upon children 6 mo. to 3 yrs. of age whose mothers work. It proposes to determine whether an appropriate day care environment can be created which can offset developmental retardation associated with maternal separation and possibly add a degree of environmental enrichment frequently not available in families of limited resources.

J055 DEVELOPMENT OF BRAIN ELECTRICAL ACTIVITY OF INFANTS, NS-6486-04, ELLINGSON, ROBERT J., UNIVERSITY OF NEBRASKA, LINCOLN, NEBRASKA, 1/69-12/69, RENEWAL, $45,597. NINDS

This research proposes to develop and/or refine methods of recording and analyzing brain electrical activity of the developing human brain during infancy and to record the factors in brain electrical and clinical development.

J060 DEVELOPMENT OF COMPARABLE OBSTETRIC, GYNECOLOGIC AND INFANT TERMINOLOGY AND CLINICAL STATISTICS H-169, HUGHES, EDWARD C., AMERICAN COLLEGE OF OBSTETRICIANS AND GYNECOLOGISTS, CHICAGO, ILLINOIS, 8/1/69-7/31/70, RENEWAL, $54,362. SRS-CB

This research proposes to develop a standard terminology in obstetrics and gynecology for international, national and local statistical purposes.

J065 ENCHANCEMENT OF RECREATION SERVICE TO DISABLED CHILDREN C-202, DORIS BERRYMAN, NEW YORK UNIVERSITY, NEW YORK, N.Y., 7/1/69-6/30/70, RENEWAL $54,422. SRS-CB

No abstract supplied.

J070 EVALUATION OF NUTRITIONAL STATUS OF PRE-SCHOOL CHILDREN IN THE UNITED STATES H-170, OWEN, GEORGE M., CHILDREN'S HOSPITAL RESEARCH FOUNDATION, COLUMBUS, OHIO, 7/1/69-6/30/70, RENEWAL, $498,199. SRS-CB

This research concerns the nutritional status of preschool children in the U.S. Each child studied will have a detailed social, medical and dietary history, a complete physical examination, and certain anthropometric measures and a battery of biochemical determinations made with specimens of blood and urine.

J075 EVALUATION STUDIES ON MATERNAL AND INFANT CARE PROJECTS PH-700, TAYBACK, MATTHEW, UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND, 7/1/69-6/30/70, RENEWAL, $283,974. SRS-CB

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RESEARCH AND DEMONSTRATION GRANTS, 1969

THIS RESEARCH CONCERNS THE PREPARATION OF EVALUATIVE REPORTS BASED UPON CURRENT DATA SUBMITTED BY COOPERATING PROJECTS (AUTHORIZED BY THE CHILDREN'S BUREAU) AND TO FURTHER DEVELOP PROTOCOLS FOR EVALUATION OF FAMILY PLANNING AND INFANT CARE SERVICES. EXPLORATORY WORK WILL BEGIN ON COMPREHENSIVE MEDICAL CARE FOR CHILDREN AND YOUTH.

J080 FETAL LIFE STUDY - THE ROLE OF PRENATAL INFLUENCES H-151, MELLIN, GILBERT W., COLUMBIA UNIVERSITY, NEW YORK, N.Y., 7/1/66-6/30/70, RENEWAL, $62,000. SRS-CB

THIS RESEARCH IS A CLINICAL EPIDEMIOLOGICAL APPROACH TO THE STUDY OF NATURAL AND PATHOLOGY OF HUMAN REPRODUCTION TO DETERMINE THE INCIDENCE OF FETAL DEATHS, NEONATAL DEATHS, BIRTH INJURIES AND CONGENITAL MALFORMATIONS IN A SELECTED POPULATION.

J085 HAWAII CHILD STUDY PROJECT, PH-201, WERNER, EMMY E., UNIVERSITY OF CALIFORNIA, DAVIS, CALIF., 7/1/68-6/30/70, RENEWAL, $7,700. SRS-CB

THE PURPOSE OF THIS PROJECT IS TO PREPARE A MONOGRAPH ON THE KUAIJU PREGNANCY AND CHILD STUDY. A LONGITUDINAL STUDY FROM THE PERNINNIAL PERIOD TO AGE 10 OF 1,000 CHILDREN.

J090 HIGH-RISK INFANT FOLLOW-UP STUDY H-224, LULA O. LUBCHENCO UNIVERSITY OF COLORADO MEDICAL CENTER, DENVER, COLORADO, 7/1/69-6/30/70, RENEWAL, $16,144. SRS-CB

THIS RESEARCH IS A FOLLOW-UP OF HIGH-RISK INFANTS BORN AT THE UNIVERSITY OF COLORADO MEDICAL CENTER FROM JULY, 1963 TO JUNE, 1965 COMPLETE EXAMINATION INCLUDING PHYSICAL, NEUROLOGICAL, PSYCHOLOGICAL SPEECH AND HEARING TESTS WILL BE GIVEN TO EACH CHILD. WEIGHT AT BIRTH AND GESTATIONAL AGE WILL BE PRIMARY FACTORS IN THE STUDY.

J095 INTEGRATION OF EDUCABLE RETARDED IN NORMAL GROUPS, PUMPHEY, MURIEL, JEWISH COMMUNITY CENTER ASSOCIATION, ST. LOUIS, MISSOURI, NIH, RO1 (MH-14424-05) 6/1/69, RENEWAL, $11,017.77 NIMH

THIS RESEARCH SEeks TO IDENTIFY CHARACTERISTICS IN RETARDATES WHICH ARE CRUCIAL TO THEIR INTEGRATION INTO NORMAL GROUPS. THE INVESTIGATOR HOPES TO DEVELOP A SOCIAL READINESS SCALE FROM TWO INSTRUMENTS, THE SIGNIFICANT INCIDENT, AND THE GROUP PARTICIPATION REPORT FILLED OUT BY GROUP LEADERS. THE SCALE WILL PROVIDE GUIDELINES FOR PEOPLE WORKING WITH RETARDATES IN SUCH GROUPS.

J100 INTENSIFICATION OF RESEARCH IN MENTAL RETARDATION HD 02553-03 WARKANY, JOSEPH, CHILDREN'S HOSPITAL, RESEARCH FDN., CINCINNATI, OHIO, 9/68-8/71, RENEWAL $126,718. NICHD

THIS PROJECT INVOLVES FUNDS FOR A PERIOD BEFORE CERTAIN BUILDINGS ARE READY FOR OCCUPANCY AND FOR FUNDS TO MAKE POSSIBLE ADDITIONAL INVESTIGATIONS IN MENTAL RETARDATION AFTER THE OPENING OF THE INSTITUTE FOR DEVELOPMENTAL RESEARCH WHEN NEW DIVISIONS WILL BE ACTIVATED AND STAFFED.

J105 INTRINSIC AND EXTRINSIC OCULAR DISEASE INVESTIGATIONS, NS-5691-04, COGAN, DAVID G., MASSACHUSETTS EYE AND EAR INFIRMARY, BOSTON, MASS. 9/67-6/30/70, RENEWAL $201,901 NINDS

THIS PROJECT CENTER IS CONCERNED WITH CLINICAL RESEARCH IN THE FIELDS OF GLAUCOMA, UVEITIS, NEURO-OPTHAMOLOGY, RETINAL ANOMALIES, STRABISMUS AND CORNEAL PROBLEMS.

J110 LAW, MENTAL DISORDER AND JUVENILE PROCESSES PR-1600, SAMUEL DASH RESEARCH FOUNDATION OF THE BAR ASSOCIATION OF THE DISTRICT OF COLUMBIA, WASHINGTON, D.C., 7/1/69-6/30/70, RENEWAL, $103,236 SRS-CB

THIS RESEARCH IS CONCERNED WITH THE POWERS AND PROCEDURES OF THE JUVENILE COURT FOR GAINING ACCESS TO REHABILITATION PROCEDURES NECESSARY FOR THE APPROPRIATE TREATMENT AND CARE OF MENTALLY DISORDERED JUVENILE DELINQUENTS.

J115 LONGITUDINAL STUDY OF EGG PATTERNS IN CHILDREN, NS-3418-06, TORRES FERNANDO, UNIVERSITY OF MINNESOTA, MINNEAPOLIS, MINN., 39/68-8/69, RENEWAL, 14,611 NINDS

THIS RESEARCH CONCERNS THE PERFORMANCE OF CONCURRENT EGG AND CLINICAL STUDIES ON UNSELECTED CHILDREN WHO HAVE HAD EGG TESTED AND WHO NOW HAVE REACHED DIFFERENT AGES. PROGNOSTIC VALUE OF EGG WILL BE TESTED BY COMPARING EARLY ELECTRICAL ABNORMALITIES WITH THE CLINICAL COURSE.

J120 MENTAL RETARDATION RESEARCH CENTER, UCLA HD4612-01, TARJAN, GEORGE, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIFORNIA, 6/69-5/73, INITIAL, $341,040. NICHD

THE MAIN OBJECTIVE OF THIS PROJECT IS TO PURSUE AN INTER-DISCIPLINARY RESEARCH PROGRAM AIMED TOWARD SOLVING PROBLEMS IN MENTAL RETARDATION AND RELATED ASPECTS OF HUMAN DEVELOPMENT. BASIC BIOLOGICAL AND BEHAVIORAL RESEARCH WILL BE INCLUDED, AS WELL AS CLINICAL RESEARCH.

J125 MENTAL RETARDATION RESEARCH PROGRAM IMPLEMENTATION HD3773-01, BARLOW, CHARLES F., CHILDREN'S HOSPITAL MEDICAL CENTER, BOSTON, MASSACHUSETTS, 6/68-8/73, INITIAL, $214,958. NICHD

THIS PROGRAM INCLUDES INVESTIGATION IN THREE MAJOR AREAS, A) GENETICS AND METABOLISM; B) NEUROSCIENCE; AND C) BEHAVIORAL SCIENCE, ALL CONVERGING ON A FOURTH AREA, CLINICAL STUDIES OF THE HUMAN SUBJECT. THE OBJECTIVE IS TO PROVIDE A SCIENTIFIC AND CLINICAL BASE FOR THE BETTER UNDERSTANDING OF THE FACTORS LEADING TO MENTAL RETARDATION, AND TO APPLY THIS INFORMATION TO PREVENTION OF THE DISORDER AND TO MANAGEMENT OF THE MENTALLY HANDICAPPED INDIVIDUAL.


A NEUROLOGICAL CLINICAL CENTER TO TRAIN FUTURE INVESTIGATORS AND DO RESEARCH ON NERVOUS SYSTEM DISORDERS TO DEVELOP NEW APPROACHES TO METABOLIC DISORDERS, AMINOCIDAL AND CNS DAMAGE (PKU, MAPLE SYRUP DISEASE), RESUS SYNDROME, HYDROCEPHALUS, AND WORK ON NEUROPSYCHIATRIC SYNDROMES IN PATIENTS WITH MENTAL RETARDATION.

J135 PROGRAM FOR A RESEARCH CENTER IN MENTAL RETARDATION HD 02528-03, SCHIEFEBUSCH, R.L., UNIVERSITY OF KANSAS, LAWRENCE, KANSAS, 1/69-12/70, RENEWAL, $141,367. NICHD

THIS RESEARCH CENTER CONCERNS CREATION OF ADMINISTRATIVE FUNCTIONS, ESPECIALLY CHANNEls FOR PLANNING, COMMUNICATION, ORGANIZATION, AND MANAGEMENT DEVELOPMENT OF COMMON FACILITIES FOR RESEARCH SUPPORT AND DEVELOPMENT IMPLEMENTATION OF NEW RESEARCH AND THE INTENSIFICATION OF MAINTAINING RESEARCH AND SYNTHESIS OF RESEARCH, RESEARCH APPLICATION, AND RESEARCH TRAINING.


NO ABSTRACT SUPPLIED

J145 RESEARCH IN MENTAL RETARDATION AND CHILD DEVELOPMENT HD 02274-03 THIEME, FREDERICK P., UNIVERSITY OF WASHINGTON, SEATTLE, WASHINGTON, 7/68-6/69, RENEWAL, $96,002 NICHD

THIS RESEARCH CONCERNS SUPPORT FOR THE DIRECTOR AND THE SMALL STAFF NECESSARY TO IMPLEMENT THE MULTI-DISCIPLINARY RESEARCH PROGRAMS OF THE M.R.C.D. CENTER WHICH ARE CONTEMPLATED AND TO PLAN THE NEW FACILITIES IN SUCH A WAY AS TO MAXIMIZE INTER-DISCIPLINARY COORDINATION AND SCIENTIFIC PRODUCTIVITY.

J150 RESEARCH IN MENTAL RETARDATION AND HUMAN DEVELOPMENT HD 01799-04, GORDON, HARRY H., YASHIVA UNIVERSITY, NEW YORK, N.Y., 9/68-8/69 RENEWAL, $69,924. NICHD

THIS PROJECT CONCERNS SUPPORT OF THE SCIENTIFIC ACTIVITIES OF THE DIRECTOR AND STAFF OF A CENTER FOR RESEARCH IN MENTAL RETARDATION AND HUMAN DEVELOPMENT DURING THE NEXT 4 YEARS OF INITIATION AND EXPANSION OF RESEARCH PROGRAM, RECRUITMENT OF SCIENTIFIC PERSONNEL, IMPLEMENTATION OF AFFILIATIONS WITH COMMUNITY AGENCIES FOR THE RETARDED, AND DETAILED PLANNING OF NEW RESEARCH FACILITIES IN ORDER TO ENSURE MAXIMUM SCIENTIFIC PRODUCTIVITY.

J155 RESEARCH IN MENTAL RETARDATION HD4147-01, MOSER, HUGO W., WALTER E. FERNALD STATE SCHOOL, WAVERLEY, MASSACHUSETTS, 1/69-12/71, INITIAL, $87,471. NICHD

THE PURPOSE OF THIS PROJECT IS TO ESTABLISH A CENTER FOR RESEARCH IN MENTAL RETARDATION. THE CENTER WILL PRO-
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J160 RESEARCH IN MENTAL RETARDATION HD 02712-03, TARJAN, GEORGE, UNIVERSITY OF CALIFORNIA, LOS ANGELES, CALIF. 4/69-3/72, RENEWAL, $181,235. NICHD

THIS RESEARCH PROPOSES TO ESTABLISH AN INTERDISCIPLINARY RESEARCH PROGRAM AIMED AT SOLVING PROBLEMS IN MENTAL RETARDATION AND RELATED ASPECTS OF HUMAN DEVELOPMENT. BIOMEDICAL AS WELL AS BEHAVIORAL RESEARCH WILL FORM COMPONENTS OF THE PROGRAM, WITH EMPHASIS ON BOTH BASIC AND CLINICAL RESEARCH.

J165 SENSORY INTEGRATIVE PROCESSES AND LEARNING DISORDERS, H-1261, AYRES, A. JEAN, UNIVERSITY OF SOUTHERN CALIFORNIA, LOS ANGELES, CALIFORNIA, 7/1/69-6/30/70, RENEWAL, $37,714. SRS-CB

THIS RESEARCH FOCUSES ON SENSORIMOTOR TRAINING TO EMPHASIZE INTERSENSORY INTEGRATION OF TACTILE, PROPRIORCEPTIVE, AUDITORY AND VISUAL STIMULI THROUGH HYPOTHESIZED CENTRAL NERVOUS SYSTEM MECHANISMS AND PRESUMED USE OF THE RETICULAR ACTIVATING SYSTEM.

J170 SUPPLEMENTAL DAYTIME CARE OF INFANTS (GROUP CARE OF INFANTS) D-256, KEISTER, MARY E., UNIVERSITY OF NORTH CAROLINA, GREENSBORO, NORTH CAROLINA, 7/1/69-6/30/70, RENEWAL, $120,734. SRS-CB

THIS PROJECT WILL ESTABLISH A NURSERY CENTER TO SERVE AS A MODEL FOR DAY CARE OF CHILDREN 3 TO 23 MONTHS. NON-PROFESSIONALS WILL BE TRAINED TO GIVE MOST OF THE CARE TO THE CHILDREN. THE PROGRAM WILL ATTEMPT TO REPLICATE THE EMOTIONAL AND LEARNING MILIEU OF A FAMILY.

J175 THE BEHAVIORAL BIOLOGY LABORATORY HD 4335-01, CHAPMAN, LORING, UNIVERSITY OF CALIFORNIA, DAVIS, CALIFORNIA, 6/69-5/72, INITIAL, $220,907. NICHD

THIS PROJECT IS INVESTIGATING BIOLOGICAL, BEHAVIORAL, AND ENVIRONMENTAL METHODS FOR OPTIMIZING OR IMPROVING HUMAN BEHAVIORAL CAPACITY. THE GOAL IS TO COMPARE, IDENTIFY, AND REDUCE OR AVOID BIOLOGICAL AND SOCIOENVIRONMENTAL CIRCUMSTANCES, ENCOUNTERED IN THE SYNDROMES OF MENTAL RETARDATION, WHICH IMPAIR THESE FUNCTIONS OR INTERFERE WITH THEIR FULL DEVELOPMENT.


THIS RESEARCH EMBRACES SOCIAL WELFARE, JUVENILE DELINQUENCY, YOUTH EMPLOYMENT AND CHILD LABOR, HEALTH AND MEDICAL CARE, EDUCATION AND HUMAN RIGHTS. IT IS PROPOSED THAT THE RESEARCH BE USED FOR A NEW AND ENLARGED EDITION OF THE CHILD AND THE STATE BY THE AMERICAN PUBLIC HEALTH ASSOCIATION, AND PUBLISHED BY THE HARVARD UNIVERSITY PRESS.

J185 TRAINING AND RESEARCH FACILITY IN CHILD WELFARE SF-200, TURNER, JOHN B., WESTERN RESERVE UNIVERSITY, CLEVELAND, OHIO, 7/1/69-6/30/70 RENEWAL, $503,447. SRS-CB

THIS PROJECT PROPOSES TO ESTABLISH A TRAINING AND RESEARCH FACILITY AT A SETTLEMENT HOUSE IN A LOW-INCOME AREA. NEW APPROACHES TO PROGRAM PLANNING AND PROVISION OF SERVICES FOR THE COMMUNITY WILL BE UTILIZED IN TRAINING SOCIAL WORK STUDENTS. THE WELFARE OF CHILDREN WILL RECEIVE PARTICULAR EMPHASIS.

J190 UNC CHILD DEVELOPMENT AND MENTAL RETARDATION INSTITUTE HD 03110-02, MILLER, C. ARDEN, UNIVERSITY OF NORTH CAROLINA, CHAPEL HILL, N.C., 9/87-8/69, RENEWAL, $156,642. NICHD

THIS PROJECT WILL BE A BROADLY FOCUSED RESEARCH APPROACH TO PROBLEMS OF NORMAL AND PATHOLOGICAL INTELLECTUAL DEVELOPMENT. TWO MAJOR AREAS OF STUDY ARE 1. EFFECTS OF SOCIAL AND CULTURAL DEPRIVATION ON INTELLECTUAL DEVELOPMENT; 2. THE MANIFOLD COURSES OF BIOLOGICAL MENTAL RETARDATION, AND HUMAN RIGHTS. IT IS PROPOSED THAT THE RESEARCH BE USED.
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G095 DEMONSTRATION OF DISSEMINATION PRACTICES ON SPECIAL CLASS $127,820

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C565 STUDIES OF NEONATAL BLOOD DISORDERS $26,482
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<td>Responsible for neuro and sensory disorders</td>
<td>$50,000</td>
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<tr>
<td>Switzerland</td>
<td>Genetic studies of tapeto-retinal degenerations</td>
<td>$6,250</td>
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