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ABSTRACT

The bibliography contains 57 references selected from Exceptional Child Education Abstracts on research studies relating to learning disabilities. One in a series of over 50 similar selected listings concerning the education of the gifted or handicapped, the bibliography cites research reports concerning testing, program evaluation, learning characteristics and processes, teaching methods, behavior modification, and other topics relevant to the learning disabled child. Bibliographic data, availability information, indexing and retrieval descriptors, and abstracts are provided for each entry. Author and subject indexes are included. (RD)



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LEARNING DISABILITIES - RESEARCH

A Selective Bibliography

February 1971

CEC Information Center on Exceptional Children The Council for Exceptional Children Jefferson Plaza, Suite 900 1411 S. Jefferson Davis Highway Arlington, Virginia 22202

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ABSTRACTS

ABSTRACT 10052

F.C. 01-0062 FD N.A.
Publ. Date 64 162p.
Lambert, Nadine; Grossman, Herbert
Problems in Determining the Etiology of Learning and Behavior Handicaps, Report of a Study.
California State Dept. Of Education, Secramento
FDRS mf.he

Descriptors: exceptional child research: emotionally disturbed; learning disabilities; identification; educational needs; psychological evaluation; medical evaluation; neurologically handicapped; neurological defects; clinical diagnosis; edueational diagnosis; special programs; case studies (education); achievement gains: program planning; demonstration programs; behavior problems; psychological tests; special classes; group activities; group counseling; medical case histories; pethology; Belider Visual Motor Gestalt Test, Draw a Person Test, DAP; Weehsler Intelligence Scale for Children: WISC

In an adempt to determine whether or not medical factors in the records of emotionally handicapped pupils were of sufficient significance to warrant further identification procedures before providing a specific educational program, a sample of 20 children was studied. The sample included 17 boys and three girls with behavior and learning problems. enrolled in various education programs in grades I through 10 in the public senools. All 20 had their case histories taken, were given pediatric and open c'ectroencephalograph examinations. and were evaluated by psychological tests (Wechsler Intelligence Scale for Children, Bender Visual Motor Gestalt, Draw-A-Person). Examinations by one team of physicians did not reveal any clearly defined neurological abnormalities. However, another pair of physicians rated 10 of the 20 medical records as showing evidence of neurological impairment. The two pairs of psychologists likely ise differed in their diagnoses Distinctions of the ratings of the medical and psychological diagnoses were both found to be significantly different (at the .01 level). The educational program conducted for the sample included (1) the special class, with individualized instruction for eight to 12 children, taught by a regular teacher assisted by a mental analth specialist and the school guidance and curriculum staff, (2) the learning disabilities proup, providing a specialist's instruction in remedial work for two to eight children, (3) the activity group, structured as a club with craft and play sessions, conducted after school for six to eight children, and (4) group unseling for the junior and senior high hool students in groups of 10. Reading and achievement scores taken over a

2-year period indicated an average gain for the group as a whole exceeding what would be expected from pupils in regular classes. Conclusions and implications for educational planners viere as follow-(1) reliable diagnosis is difficult in all but the most severe cases, (2) with reliable diagnosis, education of these pupils may succeed in classes for children with a variety of behavior and leading problems, (3) a special educational category is not necessary, and (4) programs must be developed in terms of educational needs of children and not on the basis of medical, psychological or sociological diagnoses. Tables include medical and psychological criteria from the two teams of physicians and psychologists. A hibliography cites 24 books, 64 periodicals, and four reports. The uppendix presents case studies for each of the 20 children and provides the children's drawings from the Bender Visual Motor Gestalt and Draw-A-Person tests.

ABSTRACT 10132

FC 01 0132 ED 013 118
Publ. Date Mar 67 59p.
Beery, Keith E.
Preschool Prediction and Prevention
of Learning Disabilities.
San Rafael City Schools, California
Marin Co. Supt. Sch. Cff., San Rafael,
California
OFG - 4 - 7 - 008742 - 2031, OEG - 3 7-068743-1507
EDRS mf.hc

Descriptors: exceptional child research; learning disabilities; tests; identification; preschool children; children; prediction, predictive measurement; prevention; auditory tests; task performance; prognostic tests; psychological tests; screening tests; psychological studies; language tests; psycholinguisties; Developmental lest of Visual Motor Integration; Illinois Test of Psycholinguistic Abilities; 11PA

The initial screening phase of a 4-year longitudinal study designed to predict and prevent learning disabilities in a general school population is reported Children (aged 3 1/2 to 5 1/2) of an entire school district were invited to the schools to be screened for evidence of potential learning disability children were to be rescreened annually and tested for academic achievement at the conclusion of kindergarten and of first and second grade. Screening involved audiometric, visual, and psychological testing. Teachers administered the following tests to all children-Illinois Test of Psycholinguistic Abilities (HPA i. Developmental Test of Visual-Motor Integration (VMI). Rephart Perceptual-Motor Rating Scale, Peabouy Preture Vocabulary Test, and Teacher's Behavioral Rating Scale. The 365 children in the experimental and control groups were assigned by matching sex. chronological age, mean ITPA language age, prekindergarten experience, and profile similarity. Results from the experimental children were forwarded to their future schools and physicians with suggestions for preventative guidance. It was found that boys did as well as girls in both the younger and older groups. which appears to be contrary to the more usual finding that girls are more ready than boys as they approach kindergutten age. Enrollment bias seems to be evidenced in the comparison between the results of older and younger children, as the younger children performed at a higher level, relative to their chronological ages, than did the older children. The test patterns revealed nearly twice as many visual-motor deficits as there were auditory vocal deficits and almost twice as many association, encoding, and sequencing deficits as there were decoding treception of information) deficits in both experimental and control groups. Figures and tables present statistical information. Thirty-six references are listed. (TM)

ABS1RACT 10174

EC 01-0174 ED N.A. Publ. Date Sep 66 Wiener, Gerald The Bender Gestalt Test as a Predictor of Minimal Neurologic Deficit in Children Eight to Ten Years of Age. Johns Hopkins Univ., Baltimore, Maryland, Sch. Hygiene And Pub. Hea. Nervous And Mental Disease, Volume 143, 1966.

Descriptors: exceptional child research; learning disabilities; tests; premature infants; children; neurologically handicapped; minimally brain injured; handicap detection; psychological testing; intelligence tests; psychological tests; diagnostic tests; prediction; predictive measurement; predictive validity; predictive ability (testing); matched groups; Wechsler Intelligence Scale for Children; Bender Gestalt Test

Designed to relate types of Bender-Gestall impairment to minimal neurological deficit, this study gathered data about 417 premiature and 405 full term children, aged 8 to 10, and matched according to race, sex, and economic status. Data were obtained from hospital records, mothers reports, and a pediatric neurological evaluation at age 40 weeks These data of pregnancy and obstetrical history, neonatal history, and pediatric neurological evaluation were applied to a 19 variable, unweighted scale used as an operational definition of minimal nzurological deficit. Subjects were scored on the Wechsler Intelligence

1

Scale for Children and the Bender-Getal: Test. Data on sociaeconomic variables and matern, I attitude and practices were obtained. Analysis of data showed low but significant correlation of each of the Bender-Gestalt variables with the neurologic deficit scale and the birth weight. Seven individual Bender-Crestalt variables correlated .22 with a scale score related to presumed minimal brain damage. Cross distortions and mability to produce angles and curves seemed to be significant independent predictions The total Bender-Ciestalt Score significantly discriminated between neurologic groups when the verbal IQ and race were controlled, and between neurologic groups for both white and Negro child ren. The acticle appeared in the Journal of Nervous and Mental Disease, Volume 143, Number 3, pages 275-280, Septem her 1966, (MM)

ABSTRACT 101/9

EC 01 0179 ED 018 019 Publ. Date 66 47p. Perry Harold W A Perceptual Training Program for Children with Learning Disorders. Memphis City Sch. System, Tennessee FDRS inf.he

Descriptors: exceptional child research; learning disabilities; teaching methods, program evaluation; tests; special classest perception; perceptually handicapped; maximally brain injured

An experimental training program studred the effectiveness of new methods of identifying and teaching perceptually handicapped children with learning disorders. Subjects were selected by the following criteria-specific learning deficits, perceptual deficits, general coordination deficits, hyperkinesis, impulsivi-ty, emotional lability, short attention span and/or distractibility, and equivocal neurological signs. Subjects selected were placed either in class type I (tractible or tranquit) or in type H thyperkinetic). Experimental controls exercised included evaluation of all children be fore enrollment in special classes, unbiased selection, and assignment of some of the suitable children to regular classes. A 3-year evaluation was made, Curriculum focused on basic school skills, and teachers took account of the characteristic variability of perceptually handicapped children. Classrooms were adapted to eliminate distraction, and classes were kept small. Motor activity and repetition were structured into classroom activities. Special training was required of the teachers. The first year the 14 experimental subjects inproved over the 10 controls with an average grade level difference of 13 in reading, 1.01 in spelling, and .92 in arithmetic. The second year the 31 subjects improved an average of 13 in icading, 19 in spelling, and 19 in arithmetic. Behavioral changes were also noted The Bender-Ciestalt tests were administered to measure perceptual growth. During the third year, with 94 subjects lasses, average improvement was

Teading, .6 in spelling, and .6 in

and metic. Lables of achievement scores are given. The sources of the teaching methods used are identified as. Alfred Straits and Loura Lehtmen, and the Frostig Program for Development of Visual Perception and the Hay Wingo method of teaching reading and langaage skill are recommended. Drawings evidencing visual and visual motor percaptual growth of several children involsed in the program are included as exhibits. A b bhography lists four items.

ABSTRACT 10296

EC 01 0296 ED 017 102 Publ. Date 65 Schulman, Jerome L. And Others Brain Damage and Behavior, a Clinical Experimental Study, EDRS not available

Descriptors: exceptional child research, learning disabilities; behavior; clinical diagnosis: dargnostic tests, edicational diagnosis; minimally brain injured, behavioral science research; behavior parterns: identification; identification tests: psychological patterns; testing; psychological testing: psychological tests: test construction; Stanford Binet Intelligence Scale: Weehsler Intelligence Scale for Children: Bender Gestalt Test: Draw a Person Test

Results are related of a study which was undertaken to attempt to answer three questions-to what extent do eight techniques commonly used to diagnose brain damage co-vary, to what extent do the various behavioral symptoms that occur with brain damage co-vary, and to what extent do the diagnostic measures, singly or in groups, predict the presence of the behavioral symptoms. The study consisted of a correlational analysis of the results of a battery of tests which were administered to 35 retarded boys aged 11 to 15 and with Stanford Binet 1Q scores from 50 to 80. The battery included traditional diagnostic tests of brain damage-the Bender-Gestalt Fest, the Draw a Person Lest, the Wechsler Intelligence Scale for Children, the Stanford-Binet Intelligence Scale, a standard neurological examination, and an electroencephalogiam. Also administered were tests developed to measure objecfively the alleged brain damage behavtotal syndrome- hyperactivity, distractibility, inconsistency, and emotional lability. Statistical analysis of data yielded these results. (1) the individual diagnostre measures were not found to be sufficiently reliable to be acceptable, (2) the diagnostic measures which were used to measure brain damage were found not to co-vary significantly but instead tended to separate into at least two loose types of measures, (3) in instances where data on rehability were available, the behavioral measures (with one exception) attained or approached acceptable reliability. (4) the variables in the behavioral syndrome clustified into meaningful groups, but the groups did not co vary. (5) only one set of behaviors correlated significantly with both diagnostic clusters, but that correlation was in the wrong direction. Appendixes include development of activity measure, development of distract bibly tests, scoring or the Bender-Gestalt and Draw a Person tests, and data presented tabularly. The bibliography lists 173 items. This document was published by Charles C Thomas, 301-327 hast Lawrence Avenue, Springfield, Illinois 62703, and is available for \$7.00 (ML)

ABSTRACT 10429

1 0 01 0429 J-D 013 523 Publ. Date 66 70p. Glass, Gene V.

A Critique of Experiments on the Role of Neurological Organization in Reading Performance.

Illinois Univ., Urbana, Center For Instructional Research And Curriculum Evaluation

FDRS of he

Descriptors: exceptional child research: reading; learning disabilities; reading difficulty; neurological organization, research methodology; reading research; nemologically handicapped; reading instruction; methods research; literature reviews; children; adolescents; evaluation: C.H. Delacato

Estiteen empirical studies concerned with the role which neurological organization plays in the teaching and improvement of reading are analyzed, rollowing a review of Delacato's theory of neurological organization, each of the studies is presented with alternative interpretations of the data and with implications not acknowledged or contrary to those drawn by the original authors. Each study is analyzed in detail as to the manner of selection of subjects (the subjects who participated in almost all of the experiments reported in this paper could not be characterized as seriously neurologically disorganized), the statistical analysis of data, experimental treatment, and the implications drawn from the reported results. The author is generally critical of the studies for their lack of adherence to acceptable standards for empirical experimental design. His conclusion is that all the empirical research reported thus far has failed to produce cogent evidence that D. H. Delacato's therapy has an effect on the reading of normal subjects. In reviewing studies which contain information on the correlation of neurological organization and certain variables, the author finds that measures of neurological organization are more highly correlated with measures of nonverbal intelligence than they are with measures of reading achievement. The fifteen studies are all taken from experiments reported in three voltimes written by Delacato and listed in the Watem bibliography, (1 M)

ABSTRACT 10515

LC 01 0515 FD 023 212 Publ. Date 29 Mar 68 Rawson, Margaret B.

Developmental Language Disability: Adult Accomplishments of Dyslexic Boys, Hood College Monograph Series, Number 2.

1 D. Shor readable The Johns Hepkins Pers. Baltimore, Maryland 23248 (85.50)

Descriptors: exceptional claid research, learning disabilities; achievement; idenofication, family (sociological unit); gift- heredity: dyslexia; underachievers; learning readmoss; learning experience; intelligence; reading achievement; achievement inting, vocational followup: professional occupations; followup. studies; spelling, perceptual motor coor dination

A longitudinal study was made of 56 boys, a highly homogeneous group from 44 families. All had attended a regular private elementary school for at least 3 years between 1930 and 1937. All were placed in three groups according to then performance on a language learning facility scale. The lowest 20 were rated as dyslexic, with specific developmental language disability. The followup study was done in 1964 and 1965. The subjects ranged from 26 to 40 years of age, with a mean of 33,4. All had completed secondary school: 48 had earned their baccalaureate degrees, and three were still undergraduates. Mean numbers of college years completed were 5.45] (bigh group) 5.69 (med um group), and 6.02 (low gloup). All were employed and classified by Warne's Scale in Social Class in America, and the low group had the highest rating with hine in the lirst class, nine ir the second, and one each in the fourth and fifth classes of the five classes. Ewenty boys in the low group (10) range 94 to 153) were matched with one from the other two groups (IQ range 111 to 185) by achievement in education, age, type of college, socioeconomic status, and occupation. The difference between the mean IQ's favored 14 nondislexic and five dislexic boys to less thon .0011 (SS)

ABSTRACT 10573

TC 01 0573 FD 021 337 Publ. Date Aug 67 67n Best. Helen Ard Others The Effect of Structured Physical Activity on the Motor Skill Development of Children with Learning Disabilities (Minimal Brain Dysfunction). Memphis State University, Tennessee FDRS make

Descriptors: exceptional child research; learning disabilities; physical education; minimally brain injured; physical activities: motor development; skill development, tests; psychomotor skills; percer tual motor coordination; perceptual mofor learning children; special programs; Johnson Test of Motor Skill Develop-

Students in 24 perceptual development classes for the minimally brain injured were studied to determine the effect of structured physical activity on motor skill development, to compare this effect with the effect of unstructured activity, and to determine the effect of an increased amount of time of physical thety The Johnson Test of Motor Development was administered be-

lore and after an 8 week program. The experimental group of classes was given structured physical activities, the control group had regular play periods. Results indicated a statistically significant difference between the experimental and control groups (p less than 301) with in creased motor skill development ocemring in the experimental group. Schodules and draties recording structured activities used in the experimental group are included. The Johnson fest, four tables, four illustrations, and a 19 item hibliography are provided, (LF)

ABSTRACT 10597

EC 01 0597 FD 022 289 Publ. Date 66 Clements, Sam D.

Minimal Brain Dysfunction in Children; Terminology and Identification. Phase One of a Three-Phase Project. MNDB Monograph Number 3.

National Society For Unpplied Children And Adults, Chreago, Illimois, Easter Seal Research Foundation: Public Health Service (DHEW), Hethesda. Maryland, National Institute Of Neurological Diseases And Blindness

FDRS mf PHS-PUB-1413

Superintendent Of Documents, U. S. Covernment Printing Office, Washington, D. C. 20402 (§0.20).

Descriptors: exceptional child education: learning disabilities; identification, children; minimally brain injured; clinical diagnosis; taxonomy; evaluation criteria: projects: research reviews (publications); etiology; individual characteristics: psychological characteristics

The terminology and identification phase of a project on minimal brain dy anction in children is described. Iwo subsequent phases are to deal with services and research. Included in the first phase are the following: an introduction to the problem, history and blueprint of the project, a brief history of the concept of minimal brain dysfunction, clarification of central issues, nomenclature, symptomatology, identific .tion of the child, diagnostic evaluation and criteria, and 124 references. Specific listings and outlines are provided for several areas TAPE

ABSTRACT 10761

EC 01 0761 ED 024 163 Publ. Date Apr 67 Sapir, Selma Co. A Pilot Approach to the Education of

First Grade Public School Children with Frablems in Bodily Schema, Perceptual Motor and or Language Development, Final Report.

Columbia University, New York, New York, Teachers College:

Union Free School District Number 1. Scarsdale, New York

Office Of Education (DHFW), Washing ton, D. C., Bureau Of Research EDRS infilie

OEG-32-42-0280 6005 HR-6-8275

Descriptors: exceptional child research, learning disabilities; perception; lan-

eulige, teaching methods, grade 1, visual perception, language development, acadenuie achievement, auditions perception; discrimination learning; perceptual motor learning; expressive language; experimental programs; perceptusi development; screening tests; sens ity integration, experimental teaching

Lifty four kindergaiten children were screened with the Sapir Developmental Scale to highlight deficiencies in bothly schema, perceptual motor skills, and language development, and were matched in groups of three by score, chronological age, and sex with one of the three acting as control. Three first grade classes were organized as follows: one experiemntal with 12 deficit childcen using a deficit centered training curriculum, one experimental with 24 normal children using a traditional curriculum; one control with six deficit children and 12 normal children using a traditional curriculum. The children were given a battery of psychodiagnostic tests in the fall and spring of the first grade. The results clearly favored the deficit children in the experimental class with significant differences in mean change in Wechsler Intelligence Scale for Children scores (p equals .05), visual perception and language functioning sp equids .01), and in perceptual motor skills (p. fess than .05). Importunt changes were also noted for the same groups in auditory-visual integration and visual perception, and in language development, particularly a expressive areas. Little difference was seen in the measurement of academic achievement. Performance favored the normal experimental group but without significant differences. (Author/8N)

ABSTRACT 10773

FC 01 0773 ED 024 170 Publ. Date Dec 66 Anderson, William W. And Others The San Mateo County Pilot Study of Neurologically Handicapped Child-

California Association For Neurologicully Handicapped Children, Santa Ana. Orange County Chapter EDRS inf,he

California Association for Neurologically Handicapped Children, Orange County Chapter, P. O. Box 1592, Santa Ana. California 92702 (\$1,25).

Descriptors: exceptional child research: learning disabilities; identification; minimally brain in ured; neurologically handicapped; chi drent pilot projects; special programs: admission (school); academic achievement; academic failure: special classes; medical evaluation; etiology; classroom environment; admission criteria: San Mateo County, California

Of 27 children considered educationally handicapped (EH) who were screened by a psychological medical teem, 24 were eligible for a special pilot class for neurologically handicapped thrain damaged) children. Fight children were placed in the special class and made

3

consistently meater gains in 1O scores, academic skills, and general behavior than the 14 remaining in regular class aroms. The multi-author report of the program provides a strainary and background information, results, and a neutrological appriasal of the hyperkinetic child. Also described are suggested environment, basic philosophy, and a guide for screening applicants for special programs and classes for FH children. References, illustrations, and forms are included, (MK)

ABSTRACT 10775

FC 01 0775 1D 025 894
Pabl. Date Sep 67 101p
M.Orady, Harold L; Olsor, Don A.
Visual and Auditory Learning Processes in Normal Children and Children with Specific Learning Disabilities. Final Report.
Northwestern University, Evanston, ollinois
Office Of Education (DHEA), Washington, D. C., Bureau Of Research
FDRS mf.h.
OF G-3-6-062549-1752

Descriptors: exceptional child research learning disabilities; perception; testing, psychoeducational processes; visual perception; sensory integration; visual discrimination, verbal tests; auditory perception; auditory discrimination, predictive ability (testing); response mode; age differences; average students

BR-6-2519

To describe and compare the psychosensory functioning of normal children and children with specific learning disabilities, 62 learning disabled and 68 normal children were studied. Fach child was given a battery of 13 subtests on an automated psychosonsory system representing various combinations of auditoty and visual intra- and intersensory conditions for verbal, nonverbal-nonsocial, and nonverbal-social stimuli. Comparisons were made between the normal children and the two types of learning disability groups to school learning disability group and a clinic learning disabildy group). Iwo age groups of children were considered: 8-year-olds and 9year-olds. The clinic learning disabilities appeared to have more acute disorders as a group than the school-derived population of learning disabilities. They made significantly more errors on verbal psychosensory functions, regardless of the sensors conditions. In addition, the 9-year-old group displayed significant problems of an auditory intrasensory nature. There was a generalized of the clinic fearning disabilities to perform the tasks with speed equivalent to their comparison groups. The use of response time criteria seemed encouraging as an area for future investigation but test batteries need revision as itemmay have been too easy. (Author/RP).

ABSTRACT 10833

 The Effects of Individualized versus Group Oriented Physical Education Programs on Selected Parameters of Development of Educable Mentally Returded and Minimally Brain Injured Children, Final Report.

Wisconsin University, Madison, Department Of Physical Education
Office Of Education (DBEW), Vashington, D. C.,
Joseph, P. Kennedy, Jr., Foundation,
Washington, D. C.,
FDRS milite

OEG-0-8-071097-1760 BR-7-1097

Descriptors, exceptional child research, mentally handicapped; are learning disabilities; physical education; minimally oram injured; behavior change; social development, motor development; emotional development; individualized instruction; group instruction; elementary school students; educable mentally handicapped; age differences; physical activities; sex differences

The investigation examined the role of physical activity programs in the modification of the motor, intellectual, social, and emotional development of educable mentally retarded children and minimally brain injured children. Forty-nine classes of children (275 educable mentally retarded and 206 minimally brain injured) participated in 20 weeks of instructional programs. Classes were randomly assigned to one of four treaments; two were physical education programs (one individually oriented, the other group oriented); one was an art program (Hawthorne effect); the fourth. a control tusual program). A battery of 32 tests was administered prior to and at the end of the experiment. Children in the special experimental programs effected greater positive changes in their motor, intellectual, and emotional behavior than those in the control program. Of the special programs, the physical education programs were superior in modifying motor performance, the art program in altering emotional behavior, and neither was superior in modifying intellectual behavior. The individually oriented physical education program elicited greater gains than the group oriented program in measures of motor, intellectual, and emotional behavior Positive behavior changes occurred more frequently in the older than younger, more often in the brain injured than the retarded, and more frequently in the boys than the girls, (Author).

ABSTRACT 10914

FC 01 0914 TD 026 757 Publ. Date Apr 63 144p An Exploratory Study of Children with Neurological Handicaps in School Districts of Los Angeles County.

Los Angeles County Superintendent Of Schools, California FDRS mf.bc

Descriptors: exceptional child research, learning disabilities; grouping tustingtional putposes), neurologically bandicapped, sex differences, minimally brain in ared; clinical diagnosis; special class es attendance; regular class placement parent participation, intelligence tests, student evaluation; academic achievement; teacher attitudes; student attitudes; medical evaluation.

A 6-year field study project was undertaken to try out some patterns of special education with neurologically handicapped children. Three phases emphasized these objectives: feasibility, class size, pupil safety, approval, incidence, referral, diagnosis, placement, curriculum, treatment, evaluation, teacher qualifications, parent reactions, expansion, demonstration, and research, Inphase 2, 116 neurologically impaired children were placed in eather special (64) or regular (52) classes. The special class group generally contained older (1/2 year) and more severe cases; boys outnumbered girls 7 to 1. After a 3-year attendance in a special class, 12 students were recommended for return to regular class rour of 19) while 15 out of 19 children in the regular classes were felt to need special class placement. Steady attendance for 2 years was in favor of special class students (86% to 40.4%). Parents of children in special classes attended meetings concerning their children more frequently than parents of regular class children (52% to 7%). Special class students seemed favored in the few cases of academic comparison aithough the children were about 3 years. academically retarded. Recommendatio, were made for future research. rRPi

ABSTRACT 10957

FC 01 0957 FD N.A. Publ. Date 67 19p McLeod. John

Psychological and Psycholinguistic Aspects of Severe Reading Disability to Children; Some Experimental Studies.

Queensland University, Australia, Remedial Education Centre EDRS not available

The Association For Children With Learning Disabilities, Inc., 3739 South Delaware Place, Tulsa, Oklahoma 74105 (Whole, \$2,50).

Paper Published In International Approach To Learning Disabilities Of Children And Youth, Third Annual International Cenference (Lulsa, Oktahoma, March 3-5, 1966), Pages 186-205.

Descriptors: exceptional child research, learning disabilities: reading, perception; identification; dyslexia; visual perception; reading tests; primary grades; conference reports; redundancy; psycholinguistics; au/itory perception; testing, test validity; Dyslexia Schedule

The concept of redundancy in language total and writtent and the development of the new science of psycholinguistics is presented as background material for a discussion of the identification and remediation of dysfexia. A tachistoscopic presentation of printed letter sequences of three different orders of approximation to Linglish was given to a group of

23 dyslexic children requivalent to Grade I in the United States) in Grade 2 an Brisbane. Australia, and a normal control group trandomly selected). He control group was significantly superior at all three levels of approximation (p equals .001). Adentional studies found no difference in discrimination (Wepman fest of word pairs) between the dyslexic children and the superior scoring controls. Results indicated that failure to read in children with deslexia is due to failure to process redundant visual linguistic signals. Implications for further study of remediation techniques are given; scieening sest, the Dyslexia Schedule, which was developed to discriminate between dyslexic children and others is described; and studies on spelling ability, vowel and consonant substitutions, and articulation are mentioned. An appendix contains the Dyslexia Schedule discr.minating items (DF)

ABSTRACT 10958

EC 01 0958 Publ. Date 67 Confers, C. Keith

Information Processing in Unildren with Learning Disabilities and Brain Daniage: So at Experimental Approaches.

Johns Hopkins University School Of Medicine, Baltimore, Maryland, National Institute Of Mental Health (DHEW), Bethesda, Maryland

EDRS not available

the Association For Children With Learning Disabilities, Inc., 3739 South Delaware Place, Juliac Oklahoma 74105 (Whole, \$2,50).

Paper Published In International Approach to Learning Disabilities Of Children And Youth, Third Annual International Conference (Tulsa, Oklahoma, March 3-5, 1966), Pages 206-21.

Descriptors: exceptional child research; learning disabilities; communication (thought transfer); eognitive processes; minimally brain injured; information processing, information systems; systems analysis, systems approach; conference reports; learning processes; thought

A systems analysis approach to the study of brain damaged children and several experiments exploring problems of learning disability are described. The mechanisms that must be present in a child to allow him to process information in a given task are considered, and human information processing is presented. Results of experiments investigating the information scanning mechanism finth asensory) are given and reveal that the more information there is to be dean with, the longer the learner samples or seans the information available to him. The performances of brain injured, culturally deprived normal, and emotionally disturbed children are discussed. Studies of short term memory, long term memory, coding rules, and information processing which are being planned and conducted are mentioned

sion of tests of separate funcscientes that they are likely to be useless because of the interrelationship of various information processing mechanisms. The need for refined measurement which quantities it meaningful units is stated. Nine figures present data arrived at and equipment used, (DF)

ABSTRACT 11244

FC 91 1244 FD 003 695 Publ. Date 65 Lapray, Margaret, Ross, Ramon Comparison of Two Procedures for Teaching Reading to Primary Children with Visual Perception Difficul-

San Diego State College, California Office Of Education (DHFW), Washington, D. C.

FDRS mf.hc

CRP-N-DR

Descriptors, exceptional child research, learning disabilities; perception; reading; teaching methods; reading skills; visual perception, reading improvement: primary grades; reading instruction reading ability, perceptual development

Reading abilities of primary children with visual perception problems who were taught by conventional methods were compared to the abilities of children given special training designed to improve faulty or immature viscal perception. One control group participated in special activities such as picture coloring and the other control group reecived no instruction during the experimental period. The study was designed to determine the best methods for teaching children of average intelligence who demonstrated reading failure, reversal tendencies, confused vertical orientation, and faulty visual perception and reproduction. The subjects consisted of first and second graders from low socioeconomic groups. Screening was based on intelligence, gross neurological normalcy, adequate social and emotional adjustment, adequate visual and auditory actuity, reading deficiency, and visual perceptual impairment. Lesting instruments used included the Keystone Visnal lest. Wide Range Achievement Test, and the Bender Clestalt, Lindings showed no evidence that children receiving the special visual perception training made better gains in reading or did not make bester gains although they made substantially improved Bender Gestalt drawings. Extensive use of classroom reading materials resulted in improved reading scores, (A),1

ABS : RAUT 11250

EC 01 1250 FD 016 766 Publ. Date Apr 68 440 A Program for the Identification and Remediation of Perceptual Deficiencies in kindergarten and Primary Grade Students, Interim Progress Report.

Emon Towiship Board Of Education, New Jerses Office Of Education (DHI W), Washington, D. C.

FDRS mf.hc

OFG-3-7-703564-4312

Descriptors, exceptional child research, learning disabilities; perception, identificution; teaching methods; perceptuell, handicapped; perceptual development. motor development; sensory training; perceptual motor coordination, kindergarten children; special programs; program planning; inservice teacher education, teacher workshops; psychomotor skills, wreening tests; Talle III

Designed as a perceptual enrichment program for all kindergaten children. the project also emphasizes intensive perceptual training for children montfesting deficiency in this area of development Screening was done of 869 prekindergarten children; those scoring in the lowest 5% on any one or more of the subtests or falling in the lowest 10% of the total scores were given training 4. days a week in groups of six. Children. not receiving intensive training were given instruction on the 5th day. Training was in deficit modalities concomitant with reinforcement of the stronger modelities and included warm-up, formperception, and gross motor exergises. A weekly workshop was held for the perception teachers and inservice training provided for all kindergarten and primaty teachers. Videotaping was also done. Parent and teacher reaction was favorable. Preliminary planning is outlined, and projected plans for the full 3 years of the study are detailed. An appendix lists the instruments used for screening, and the program of a Title III workshop is included, (JD)

ABSTRACT 11547

LC 01 1547 ED 029 448 Publ. Date 31 Dec 68 93p. Zedler, Empress Y. Educational Programming for Pupils with Neurologically Based Language Disorders, Final Report. Southwest Texas State College, San Marcos, School Of Education Office Of Education (DHEW), Washington, D. C., Bureau Of Research FDRS mf,he OEC-5-10-001 BR-5-1062

Descriptors: exceptional child research; learning disabilities; drug therapy; regular class placement; acidemic achievement; special classes; individualized instruction; after school tutoring; language h ndicapped, minimally brain injured: language instruction; basic skills; intelligence differences; learning characteristies: student evaluation; comparative analysis: underachievers

to investigate procedures whereby schools may achieve maximal results with otherwise normal underachieving pupils with neurologically based language-learning disorders, 100 such subjects were studied over a 2-year period. Lifty experimental subjects remained in regular classes in school and received individualized teaching outside of school hours from specially trained climeians. Fifty matched control subjects were enrolled in special education classex and did not receive clinical teaching

ofter school. Half of the experimental and half of the control subjects had anticonvulsive medication prescribed by their physicians; the others dal not lests of academic achievement and mental functioning indicated that the experimental groups made signo-carity greater gains in beta variables than did the control. However, the medicated groups did not make greater gains than the unmedicated. (Author)

ABSTRACT 11588

FC 01 1588 FD N.A.
Publ. Onte 62 222p.
Money, John, I d
Reading Disability: Progress and Research Needs in Dyslexia.
Johns Hopkins Medical Institutions,
Balamore, Maryland
Association For The Aid Of Crippted
Children, New York FDRS not available
Johns Hopkins Press, Baltimore, Mary-

land 21218 (\$6,00).

Descriptors: exceptional child education, learning disabilities; reading; identification; dysfexia; neurologically handteapped; aurally handleapped, visually handleapped; speech handleapped; reading difficulty; cerebral dominance; perceptual motor learning; discrimination learning, integration readiness; reading readiness; nucleation; concept formation; reading diagnosis; reading achievement; enotional maladjustment

Reading disability is the concern of these symposium papers. The introduction summarizes the migor directions of the conference. The phenomenology of dyslexia is described, illustrated with writing and drawing samples from dyslevic children Recognition and treatment of dystexia within the educational sphere is examined through a presentation of characteristics of these students and data from an experiment studying the effectiveness of differing modes of thirtapy. Another paper provides an example of a population study of reading achievement and contrasts it with the clinical steay method to suggest that both methodologies be used in a complementary fashion. Psychiatric considerations are recognized and this discipline is related to others dealing with dyslexia. Several papers review the pertinent literature to explain the anatomy of acquired reading disorders and to examine the relationships of dyslexia to form perception and directional sense, to cerchral dominance, and to fanguage acquisition and concept formation. One paper utilizes a quantitative approach to research in word blindness while another studies the theoretical considerations underlying the research into the maturation of a isual function. There is a discussion concerning some of the possible relations between dyslexia and clinical methods and findings applicable to hearing and speech problems. The final paper investigates the influence of dysin the nervous system on dys-

ABSTRACT 11963

EC 01 1963 FD 030 997 Publ. Date 22 Jul 67 83p Robbins, Richard C. And Others

A Model Exemplary Clinic for Learning Disabilities: A Project of Title III, ESEA.

Riverside Unified School District, California

LDR5 mt

Riverside Unified School District, Riverside, California 92502

Descriptors exceptional child researed, program evaluation, dyslexia, teaching methods; learning disabilities; autortory training; motor desclopment; school visitation; behavior rating scales; temedial reading; academic achievement; student evaluation; student actitudes, relarded teaders; testing; inservice teacher education, remedial programs; visual perception; Riverside, California.

To demonstrate creative methods and materials for the remediation of severe learning disabilities, to help children with these difficulties, and to train professional persennel, six teachers working in leams of two taught seven remedial classes with a maximum of 12 students using a program designed to remediate deficiencies in the auditory, nural, visual and motor areas. They taught basic reading skills to functional non-readers in grades 3 through 6; and focused on reading skills with less remediation of perceptual-motor deficiencies in two elementary classes and three secondary classes. Two 10-week in-service courses presented the theory and methods of remediation. Visitors and participants answered questionnaines and indicated that their involvement with the Learning Center was valuable; all classes but one made progress at the .05 level of significance in all areas of reading and spelling; and structured teacher ratings showed few changes in student attitudes and behavior. Informal comments of teachers and aides, parent questionnaire responses, and student interviews, howcicr, indicated positive changes in the students' attitudes toward school and learning. An outline of the instructional methods and materials is included, (132)

ABSTRACT 20133

FC 02 0133 FD NA Publ Date 67 27p McLood, John Some Psycholinguistic Correlates of Reading Disability in Young Childron. LORS net available

Reading Research Quarterly, V2 N3 P5-31 Spr 1967

Descriptors, exceptional child research, learning disabilities; reading; dyslexia; psycholinguistics; auditory discrimination; visual discrimination; verbal ability, speech skills.

Three experiments compared the ability of 23 second grade children who were disabled maders with the ability of a control group to reproduce tachistoscopically presented letter sequences and to disctiminate and reproduce vocally au-

ditorily presented words. Both the letter sequences and the context of the words were of varying approximations to Figlish. The reading disability group was significantly and consistently infector in reproducing the visually presented letter sequences of the zero, first, and secund order approximations to printed English, their difficiency was independent of the order of approximation. They were also significantly inferior in cocally reproducing auditorily presented words which had been preceded by contexts of first, and third-order approximations to spoken English, although less inferior when the stimulus words were preceded by the more redundant English contest. In addition, the reading disability group was significantly inferior in discriminating between two monosyflable words which differed in only a single phoneme. but did not differ in the ability to vocally reproduce isolated monosyllabic words, rt Et

ABSTRACT 20150

FC 02 0150 FD N/A Publ. Date Nov 69 14p Shipe, Durothy; Miczitis, Schreiga A Pilot Study in the Biagnosis and Remediation of Special Learning Disabilities in Perschool Children. FDRS not available Journal Of Learning Disabilities: V2 N41 P579-92 Nov 1969

Descriptors: exceptional child research; learning disabilities; identification: preschool children, perceptual motor learning: psychomotor skills; language development, test results; research methodology

The purposes of the present study were to determine the feasibility of early identification of the perceptually-handicapped, and to compare the effectiveness of two remedial programs, one emphasizing language and cognitive development, and the other focusing on visalmotor functioning. The findings were that because of emotional disturbance. impaturity, and great variability from one ease to the next, it is difficult to apply the lable perceptual handscap at so carly an age; the type and degree of improvement bore little relationship to the type of program. A research strategy is suggested in which each child is used ... his own control and the treatment is individually prescribed. (Author/RS)

ABSTRACT 20504

FC 02 0504
Publ Date (67)
Baldwin, Ruth And Others
The Uoctor Leoks at the MI Child;
Diagnosis and Treatment.
Ontatio Association For Children With Learning Disabilities, foronto
FDRS not available
Ontatio Association For Children With

Learning Disabilities, 306 Watten Poad.

Coronto 7, Ontario

Descriptors, exceptional child research, learning disabilities, behavior problems, achievement, neurologically handicapped; min mally brain injured hyperactivity; drug therapy, mental health, teacher responsibility; psychological patierns, clinical diagnosis; medical treatment; Echavior patterns, sedatives

An article on the treatment of behavior disorders soith medication concerns the effectiveness of various drugs in controlling the behavior disorders of 100 minimally brain injured children and includes reviews of related literature. Fxamination of inedication response in relation to electroencephalographic patterns revealed no significant findings but some useful trends were noted with several drugs. A discussion of diagnosis and treatment of hyperactivity focuses on hyperactivity, etiology, medication. and therapeutic regimen and indicates that the judicious use of drugs may produce diamatic improvement in behavior. Information on school achievement, fearning difficulties, and mental health suggests that the pressure on children to achieve in their schoolwork should be examined in relation to their mental and physical health. It is suggested that teachers can recognize canbealthy behavior patterns and promote healthy behaviors. The pressure of many parents for achievement at school illusurates the need for more teacher-parent communication regarding the school's aims and methods, particularly in view of the increasing appreciation of the individual differences in children; case illustrations are included (LE)

ABSTRACT 20662

LC 02 0662 ED N.A Publ. Date Oct 66 144p. DeHirsch, Katrina And Others Predicting Reading Failure. Columbia-Presbyterian Medical Center.

New York, New York, Pediatric Langoage Disorder Chile Health Research Council, New York,

New York

FDRS not available Harper And Row, Publishers, Inc., 49 Fast 33rd Street, New York, New York 10016 (\$5.95).

Descriptors: exceptional child recearch: learne g disabilities: identification; reading: lests; predictive measurement, preschool children, preschool evaluation; reading readiness; reading achievement; perceptual motor coordination; spelling, writing; minimally brain injured, reading failure, followop studies; prediction, premature infants, maturation; dysfexia

Presented are the results of a study to predict reading, writing, and spelling disabilities among preschool children. Thirty boys and 23 girls from lover middle class backgrounds with a medium age of 5 years 10 months and 10's between 84 and 116 were administered 37 tests. The tests, presumed to reflect perceptual motor and linguistic competeneurs essential to later academic achievement, were correlated with endade and end of second grade

acadenas performance in reading wire ing and spelling. The measures most predictive of later academic perform ance were identified and a battery of selected instruments to identify preschool children who present high risk of becoming future academic failures was recommended for psychologists and teachers. Supplementary analyses of failing readers and prematurely born children sed the entire test battery. Clinical of servations and study results were used to fortaidate recommendations for educational diagnosis and teaching, (AB).

ABSTRACT 20724

FC 02 0724 Publ. Date 69 Pollack, Max Suspected Early Minimal Brain Damage and Severe Psychopathology in Adolescence. FDRS not available

Adolescence; V4 N15 P361-84 Fall 1969

De criptors: exceptional child research; emotionally disturbed; minimally brain injured; sex differences; medical case histories; socioeconomic status, educational background, test results; institutionalized (persons); psychiatry; adolescents; schizo, hrenia

The study is a deterline of the history and psychological, behavioral, and FI G examinations of 12 patients tages 15 to 25 sears) hospitalized for severe psychiatric disturbances. Areas covered are ocioeconomic status, education, age at first hospit dization, previous diagnoses, current neurological and psychological test findings, medical history, and posthospital adjustment. The patients are conceptualized as defective. with cembral dysfuction, deviant temperament, and cognitive development whose symptoms became exacerbated with the stresses of impending adulthood. Discussion of early minimal brain damage and adolescent psychiatric syndromes and a case study of one of the subjects are included. Tables indicate findings, (FM)

ABSTRACT 20822

LC 02 0822 LD 032 688 Publ. Date Aug 69 DUp. Individual Learning Disabilities Programs Pilot Incidence Study, Volumes I. 14, and III. Technical Report. Rocky Mountain Educational Laboratory, Greeley, Colorado Office Of Education (DHFW), Washington, D. C. National Center For Educa tional Research And Development ED3S mf.hc DEC-4-7-062828-30-63 BR-6-2828

Descriptors' exceptional shild research. learning disabilities; rating scales, incidence, screening tests; test reliability, identification: psychological testing, educational testing, medical evaluation, clinical diagnosis, behavior patterns, in dividual characteristics, behavior rating scales: rating scales, evaluation methods. Classroom Screening Instruntent

three levels of screening procedures

were used to identify the meidence and nature of learning disabilities. The first level involved the application by class count to where of the Classicour Screen my historinem (CSD, especially desch oped for the study, and of other measaires, the second level involved psychoe ducation if differential diagnosis by qualified resicis; and the third, medical eximinations by appropriate personnel. Screening of 2,400 second grade childre fat level i resulted in identification of 36.1 for level 2 screening, of whom 134 were selected for level 3 screening. Re-Stills indugated that classroom teachers could use the CSI with accuracy to identity children with varied learning problems. The study further indicated approximate incidences of 4.7% for severe learning disabilities and 6% for less severe learning disabilities. A technical report is given in volume 1; descriptive data and statistical analysis are provided solumes 2 and 3, respectively, (JD).

ABSTRACT 20892

LC 02 0892 LD 016 321 Publi Dare Jul 64 Moskowatz, Sue

The cogram for Brain Injured Children in the New York City Public Schools, An Appraisal,

New York City Board Of Education. New York, Bureau Of Educational Research.

EDRS meha

Descriptors: exceptional child research; learning disabilities; educational needs; program planning: special classes: minimally brain injured; followup studies; lonenudinal studies, program evaluation; perceptually handicapped, academic achievement; classroom environment; interviews; question answer interviews; observation; testing; New York City

In 1959, the two existing special classes for brain injured children in New York City were evaluated by observations, examination of the students' medical and educational records, and interviews with teachers, psychologists, psychiatrists, and speech and other specialists. Recommendations yere made in an interim report. A longitudinal study was planned to determine whether the new program for children with minimal brain damage and with at least potentially normal intelligence was neering the children's needs. The present report is based upon two groups of subjects-sexstudents who had been in the pilot class. in 1958 or eather and 19 of the 32 children who were in classes for braninspired children in April 1960 and for whom followup data could be obtained, Classes were observed, teachers and principals were interviewed, the records of the subjects were examined, subjects were administered standardized tests of reading and mathematics, and two scales measuring characteristics and nehavior were obtained for the 19 subjects. Resuits of the tests indicated that average gain over the period of 2 1/2 years was 10 years in reading and 1.3 years in mathematics. The average IQ was slightby above 75. Improvement in test taking

behas or and in negative characteristics occurred for the group as a whole. The group of six subjects from the pilot class were presently enrolled in six different schools, three vere in mentally retaided classes, two were in regular classes, and one was in a health conservation class. Achievement tests in reading and mathemities showed an average gain of about 2 years in the 1888 over the follow-up period of an at 3.1.2 years. Based on the observations and interviews, recommendations were made concerning medical, psychological, and educative evaluation; selection and training of teachers; supervision; provasion of auxiliary services; curriculum development, parent education, intercommunication among agencies, and widening the program. A postscript discusses frends (of September 1964, UA)

ABSTRACT 20357

FC 02 0957 E.D 033 497 Publ. Date Feb 67 68p Stark, local

Programmed Instruction for Perceptually Handicapped Children with Language Difficulties, Interint Report.

Stanford University, California Office Of Education (DHEW), Washington D. C., Bareau Of Research EDRS mf.hc

OFG-4-6-068527-1587 PR-6-8527

Descriptors exceptional child research, aphasia, discrimination learning, multissensity learning, material development; observed differences; learning disabilities; language development; verbal strout, visual discrimination; instructional materials; auditory discrimination; learning characteristics, language patterns; programed instruction, auditorisal instruction; educational equipment

Three projects were designed to decelop and evaluate materials for use with aphasic children (perceptually hand) capped with language problems). The first project presented stimulus pairs in varying modulity conditions. Results suggested that, although the aphasic children were nor capable of improving their auditory discrimination performance, they had some ability to improve discrimination performance in the visual and especially in the combined modalities. The second project, ongoing when reported, studied the nature of audito's sequencing abilities in an optimally contioffed environment and explored means of improving those abilities. Stimuli were presented in successive auditory. simultaneous auditory, or successive vis uni conditions, intensity inflection, and configuration were varied. The ibid project, also ongoine, developed instincfronal materials making maximal use of visical stimuli with primarily anditory programs designed to provide phrase structure and appropriate units. Appendixes, comprising over half of the document report on the form program the ng simuli and equipment, teach

RICORINS and stimulus items and

ABSTRACT 21100

LC 02 1100 ED 029 773
Publ Dake Apt 60 E79,
Klein, Isabea, Marsh, Heien R
Identification and It mediation of
Perceptual Handicate in Learning to
Read. Final Report.
Often Cove School Di Giet, New York
Office Of Education (DHFW) Washington, D. C., Bucca et Of Research
EDRS of fac

Descriptors exceptional chife research; perception tests, perceptial development, reading an inconsist reading a provenient, reading a provenient, reading research; retarded readers; visual perception, word recognition; remedial

OFC 1/2-078015-2986

BW-7-8013

Results of an investigation of the effects of perceptual training upon selected measures of reading achievement are reported. Subjects were 87 second-grade children of average intelligence who had evidenced reading difficulties as well as perceptual deficits. They were chosen from the Glen Cove. New York, school district on the basis of their performance on the following tests: the Lorge Thorndike Intelligence Scale, the Wechsles Intelligence Scale for Children (WISC); the Stanford Reading Test, Word Recognition section; and the Frastig Developmental Test of Visual Perception, Subjects were divided into three matched groups: a group that received 25 minutes of perceptual training twice a week, a group that received traditional remediation for the same length of time, and a control group. As analysis of variance of the reading achievement scores showed no significant differences before treatment. A setest revealed that the remedial reading group post-test series were significantly higher (.05 level) than those of either the control group or the perceptual training group. An analysis of calcance of the Frostig data showed no significant differences between the means of the Pirce groups. No distinctive Wifer subjest parterns for rejorded readers were noted. References are included (WB)

ABSTRACT 21114

17. 02.1114
Publ. Date Sep 68
Hay. Nathan
Visual Function in Dyslexia.
FDRS not available
Vinction Journal Of Optometry And
Archives Of The American Academy Of
Optometry, V48 N9 P874 87 Sep 1965

Descriptors exceptional child research, dislexia eye band coordination eye coice span, retailed readers vision, vision active, vision discrimination, vision perception learning disabilities, research reviews publications?

Using published research data, the problem of the seriously retarded reader was examined to determine the role of vision. The most obvious visual factors such as acouty and refractive arroy did not seem related to the problem. Impair-

ment of visual skills such as fusion and accommodation did seem to contribute to teading difficulty, but such defects were not primary factors in extreme cases of reading disability. Other visual functions such as form perception, visuo-motor control, and the ability to make visual and verbal configurations riight be more closely associated with dyslevia. A bibliography is included, (Aritho 185)

ALSTRACT 21222

I C 02 1222 FD 011 493 Publ. Date 19 Nov 66 22p. Botel, Morton Methods and Systems for Teaching Dyslovic Pupils. I DRS public

Descriptors exceptional child research, tests; reading; learning disabilities; teaching methods; reading difficulty; reading tests; reading level; reading tests; reading achievement; developmental (eading; instructional programs, txtarded readers; elementary grades; shool orientation; special services; dysfexia; Botel Reading Inventory

The reading and spelling performances of pupils attending a program in reading were studied to discover which reading methods or combinations of methods were superior for dyslexics in clinical and classroom situations and which methods were appropriate for dyslexic and normal pupils with minor reading disabilities. The subjects were 722 pupils in grades 2 through 6 in the Pennridge School in Bucks County, Pennsylvania. Sommural, White, middle-class children. with an average intelligence of 106 as measured by a group test in kindergarten or first grade attend the school. Special small-group instruction is provided for the lowest 18 percent of the pupils in the summer. An opportunity class is conducted for slow garners, Lests administered were the Botel Reading Inventory and the reading and spelltilg tests of the Science Research Associates Battery. Data were analyzed by reading levels, grade equivalent scores, and expected and achieved median scores. The overage range was six to secon levels of pupil performance at each grade level. By lifth grade, there were no pupils reading as low as beginrting second-tender level. By sixth grade, none cere reading as low as beginning third tea fer level. The author suggests that dyslexia can be anticipated and minimized within a good developmental reading program. A description of the instructio, il program, references, and tables are provided (BK)

ABSTRACT 21235

16 02 1238 1D 002 981
Publ Date 59 839p.
Crocksbank, William M. And Others
Leaching Methodology for Brain-Ins
Juzed and Hyperactive Children, A
Demonstration-Pilot Study, Special
Education Rehabilitation Monograph
Series Number 6,
Syracuse University, Sew York

1.00 65

Committee Northway

Office Of Edication (DHFW), Washington D. C.

LDRS mf.ta

(KP 090

Descriptors exceptional child research, mentady handicapped; learning disabilities; emotionally disturbed; teaching methods; diagnostic tests; demonstration projects; pilot projects, psychological characteristics, instructional materials classification; multiply handicapped, minimally brain injured, behavior, academic astro-cement

An rave stigation was made of the effectiveness and value of a controlled class room environment, especially prepared materials, and highly semetured teach ing methods upon learning problems and school adjustment of mentally retarded, emotionally disturbed children. with or without clinically diagnosed brain injury. Caildren studied were those whose emotional difficulties were characterized by mental retardation are hyperactive aggressive behavior, and , those with ciental retardation and known or suspected brain anjury between the ages of 7 and 11 years. A thorough case study of each child was made. A control group of endogeneous children and hypersetive children without neurological indications of brain injury, taught by conventional methods. was used. The two experimental groups were in an educational situation designed in general along the lines described by Strains and Lethtinen, One experimental group included children with conclusive evidence of brain injury. and mental retardation, and children with mental retardation and hyperactive aggressive behavior without evidence of brain damage. The second group included children whose case histories and behavior were typical of the brain injurget but without neurological indications of brain damage. Although achievement in learning was demonstrated in built groups, the study showed statistically significant differences in gain for the experimental group, (GC).

ABSTRACT 21241

LC 02 1241 ED 002 811 Publ. Date 84 Huty S

The Adaptation for Group Classroom Use of Clinical Techniques for Teaching Brain-Injused Children.

Rhode Island State Department O' Foiscation, Providence.

Clark County School District, Athers, Georgia

Office Of Education (DHTW), Washingston, D. C.

FDRS na he CRP 186

Descriptors exceptional child research, administration; program planting, teaching inchooks leating disabilities mentally handicapped, group instruction, classicom techniques low achies achiese, toloring, remedial programs, nimally brain injured, admission crancing profession discrete.

in the development of a purple school program for beam injured children of as on en en lew average uneffectual potentral, claimed theorial techniques were consecred classified, and adapted to promptic coming. A moder classroom was et up for experimenting with, testing, and demonstrating the adapted techinques and for developing hypotheses for experimentation in group education of brain lagured children. It was found that falldied for the class had to be selected to keep the range of foatming problems as narrow as possible. Class size had to be kept under 10. Besides motivated and skilled teachers and a full time teachers, is istant in the class. room, professional assistance available outside the classroom was needed in least that of therap stopsychologist, and social worker. It was constuded that selection criteria for grouping brain in jured children should be based more on educational Schasior than on medical diagnosis (III)

ABSTRACT 21290

FC 02 1190 110 027 939
Publ. Date 68 115p
Caxles, John F And Otters

An Appraisal of Boad Start Porticicant and Non-Participants: Espanded Considerations on Learning Disubilities Among Disadvantaged Children.

Connectical University, Stores, School Of Education

Office Of Economic Opportunity, Washington, D. C. L.DRS milite

01/0/4657

Descriptors exceptional child rescarch; acidemic performance; comparative analysis, compensatory education programs culturally disadvantaged, individual differences; program evaluation, laster analysis; intervention, kindergarten; fongitudinal studies; mental development, program effectiveness; student characteristics, test rehability, preschool programs, Detroit Tests of Featuring Aprilide; Head Start, Illinois Test of Issachdinguistic, Abilities, Peabody Pigture Vocabulary Test; Stanford Binet

East grade children from two Head Start (HS) groups and one non-Head Start (NHS) group were administered a battery of tests for the purposes of comparing the developmental status of HS and SHS subjects, examining patterms of specific learning disardities amone HS and NHS children, determining the stability crefficients of selected instruments, and analyzing the predictive capabilities and factoral structure of selected evaluative instruments. Group one, the primory Head Start sample, was composed of 54 disadvantaged children who had attended a year-long preschool program and had been tested during that time Group two, it georday Pead Start sample, consisted of 77 disadvantaged children who had also aftended a year-long program but had not had testing experience. The comparison group consisted of 78 non-Head Stat disadvantaged children. Available data

indicated that Its and NHS cheldren dero instructed no significant delicences in developmental characteristics in kindergaten. The comprehensive testing in the first grade showed the same frend there were no significant differences between children having participated in HS and not having participated in HS and not having participated in HS and not having participated at LS microming ability. The first grade data also showed that all of the subjects in this study labored under serious learning disabilities, (WD)

ABSTRACT 21321

Visito-Motor Development and Its Distorbances in a Sample of Prematures florn with the Weight Below 1250 Grams.

FDRS not available
The Slow Tearning Child, V16-N2

The Slow Learning Child, V16 N2 1973-84 Jul 1969

Descriptors: exceptional child research premative infants perceptual motor learning, fearning disabilities: perceptual development, visual perception, motor development; minimally brain injured, underachievers; prematal influences, visually handicapped; mentally handicapped; testing; Warsaw; Poland

To investigate the development of visual motor functions in premature infants, 73 premature children (aged 3 to 12 years) were administered the Bender Gestalt Test scored with Koppitz's system. All were born with weight below 1250. grams, and II proved untestable. He results showed that as many as 67% had retailed visuo-motor development in the 12 to 72 month range; there were no significant sex differences; there was no close relationship between defects of vision and visio-motor retardation; signs of brain damage were very common, and a relationship was found between visue-motor retardation, indications of brein damage, and disturbances in mental development. Indications are that the premature, low birth weight child may need one year of development note than the normal child before beginning school tasks, (IM)

ABSTRACT 21452

1 C 02 1452 10 034 331 Publ Date Mar 69 85p. Operation Bridge; A Title III Project for Neurologically Impaired Children. Prince George's County, Maryland. Special Education Department. Prince George's County Schools, Maryland, Special Education Department Office Of Education Department Office Of Education DH, Wil Washington, D / 17985 inf he OFC 67-2970

Descriptors exceptional child research learning disabilities, summer schools, program evaluation, summer inspectation, experimental programs; student adjustment social adjustment, emotional adjustment, program costs, parent attitudes, teacher education, summer institutes, parent counseling; family counseling, staff tole.

3 6-week experimental demonstration program was provided for 90 neurologically impaired children with severe learning problems to bridge the gap between school terms and to provide learning experiences for teachers, teach er-trainees, and parents. The staff at each of three host schools consisted of five muster teachers, five college students, plus a fall time psychologist and a pupil personnel worker to conduct parent and sibling discussion groups and to aid the staff. The children had enrichment activities in reading, language development, motor development, manipulation, and arts and crafts. On pre- and post-project evaluations of social, emotional, and academic level of functioning, over 60% of the children readjusted to academic, school routine, and socialemotional levels within 2 weeks finstead of the usual 6 to 8 weeks) after school started in the fall. Teachers and supportive staff fe's that they gained experience in working with children, parents, siblings, trainees, and each other. Recommendations are proposed for 1969 program improvements, and the appendix gives anecdotal record forms, evaluative questionnaires, and budget estimates. 0.10

ABSTRACT 21470

EC 02 1470 ED 034 348 Publ. Date Aug 69 Carter, John U

Effects of Visual and Auditory Background on Reading Achievement Test Performance of Brain-Injured and Non Brain-Injured Children,

Houston University, Texas Office Of Education (DHLW), Washington, D. C., Bureau Of Research EDRS mehe OEG-0-8-087053-4402(032) BR-8-7053

Descriptors; exceptional child research; minimally brain injured; attention; task performance; aural stimuli; visual stimuli: reading comprehension; learning disabilities; visual perception; reading

Lorty-two brain injured boys and 42 non brain injured boys (aged 11-6 to 12-6) were tested to determine the effects of increasing amounts of visual and audicory d'traction on reading performance. The Stanford Achievement Reading Comprehension Test was administered with three degrees of distraction. The visual distraction consisted of either very few items per page, a normal amount of items, or pages with a superimposed jigsaw puzzle design; the auditory distraction was supplied by a tape recording of school sounds. Distractions did not affect the reading performance of either group, did not affect the brain injured any more than the normal, and there was no trend for comprehension to decrease concomitantly under combined increases of visual and auditory distractions. The high dual distraction negatriedy affected the non brain injured up more than the brain injured stup. The conclusion was that the basic

Jumptions of feathing materials and

methodology for brain injured children should be recyalisated a Author/DAD

ABSTRACT 21611

FC 02 1611 EDSA Publ. Date Jan 70 120 Maloney, Michael P. And Others Analysis of the Generalizability of Sensory Motor Training. FDRS not available American Journal Of Montal Deficien-

cy: V74/N4/P458-69 Jan 1970

Descriptors: exceptional child research; learning disabilities; perceptual motor featning; body image; generalization; attention control; cognitive development; perceptual development

A number of perceptual-motor training systems for the treatment of learning disorders have recently gained widespread lay popularity while well-designed relevant research remains a novelty. This study sought to investigate the generalizability of Kephart's sensorymotor training system. Three basic hypotheses were tested; that sensory-motor training does not generalize to body image development, that the effects of sensory motor training do not generalize to finger localization, and that attention control procedures do not affect performance on any of the scales emplayed. It was concluded that sensorymotor training does generalize to body image development but not to finger localization. The data indicated that significant generalization does occur form attention-control procedures, (Authart

ABSTRACT 21942

EC 02 1942 FD 036 921 Publ. Date 69 118p Summary and Evaluation of the Regional Educational Diagnostic Treasment Center 1966-1969.

Office Of Education (DHEW), Washin+ ton, D. C., Bureau Of Flenchtary And Secondary Education FDRS mf.ha

Descriptors: accortional child research; learning disabilities; emotionally dis turbed; clinical diagnosis; intervention, psychoeducational processes; educational therapy; diagnostic teaching; behavior smange, academic achievement; individual characteristics; play therapy, parent participation, counseling; adjustment to envire ment); school services; interdisciplinary appraich; behavior rating scales: consultants: Flementary and Secondary Education Act Little III Project

A disenos, e treatment center for learning disabilities and emotional problems was developed to serve six school systens. Evaluation by the multidisciplinary Staff covered behavior, family background, health, and intellectual, perceptual motor, emotional, and educational functioning. Treatmen, plans, developed by the team which subsequently met with the school personnel, involved the child in play, and educational or behavioral therapy on an individual or group basis. Treatment also aftered the child's environment by providing family

the apy and parent comisching, mothers group, school or parent conferences, or staff consultants to work with school personnel Consensual indigment of change (by parents, schools, and staff) in school work, and in educational and behavioral conctioning indicated mileimprovement in 60.9% of the cases and marked improvement in 16.2%, with girls showing more improvement up less than 01). Appendixes provide ranking seates and client classification and other forms and describe treatments. Descriptive data are given for a sample of 350 cases. (JD)

ABSTRACT 21988

EC 02 1988 FD 036 001 Pabl. Date Jun 69 346p. Minimal Brain Damage to Children. Final Report.

Northwestern University, Evanston, Illi-

Public Health Service (DHFW), Washington, D. C., Health Services And Mental Health Administration EDR5 mf.bc

Descriptors: exceptional child research, learning disabilities, minimally brain injured; educational diagnosis; evaluation criteria; psychoeducational processest ophthalmology: electrorncephalography; neurologically handicapped: student evaluation; testing: screening tests; medical evaluation; test results; statistical data: academic achievement

Seven psychoeducational tests were administered to 2,767 third and fourth graders to screen for underachievers who were then intensively studied through psychoeducational techniques and given ophthalmological, neurological, and electroencephalographic examinations. The results were that 13% were defined as underachievers (fail was below learning quotient of 90) and half of these had a learning disability. The learning disability group were inferior to all groups in verbal tests and language skills; their processes of organizing experience appeared different; and their social maturity was below average These children showed no greater incidence of visual defects indicating a need to emphasize behavioral and medical aspects in remediation. Some children with deficits in learning showed dysfunctions of the brain again indivating the need for medical diagnosis and aftertion. There were redications that the underachievers showed more signs of neurological disturbance which suggested a relationship between these distarb ances and learning deficiencies. Teacher ratings on the basis of the pupil rating scale used were found to be of critical usefillness. Extensive tables of results are included. (Author/IM)

ABSTRACT 22062

EC 92 2062 FD 032 551 Publ Date 69 Owaley, Elizabeth And Others Project ENRIGH. Beacer County Public Schools, Pennsyl-

FDRS mf.he

Descriptors: exceptional child research, carriedum design; elementary school students, learning disabilities; remedial instruction; remedial programs; student evaluation

Project ENRICH was conceived in Beaver County. Pennsylvania, to identify preschool children with learning disabilities, and to develop a program geared to the remediation of the learning disahilities within a school year, while allowing the child to be enrolled in a regular class situation for the following school year. Through kindergamen teachers and parent cooperation, 34 children were enrolled, all with an intelligence quotient of 90 or better. The average age was 5.5 years. Each child was classified as having a particular disability. Each child was tested extensively, using the Stanford Binet along with other instruments. The curriculum is carefully explained, including a diagram of areas covered. Tables give the precise results of the program at its conclusion. The authors felt that generally the curricular attack used in this program may efficiently and positively modify learner behavior and significantly reduce the negative effects of the various learning disabilities treated in this project. The remediation expected was met and exceeded. (Author/KJ)

ABSTRACT 22078

EC 02 2078 ED 034 238 Publ. Date Aug 69 115p. Feshback, Seymour And Others

A Training, Demonstration, and Research Program for the Remediation of Learning Disorders in Culturally Plisadvantaged Youth. (In 2 parts.) Final Report.

California University, Los Angeles, Department Of Psychology

California State Department Of Education, Sucramente Office Of Compensatory Education EDRS mf.bc

Descriptors: exceptional child research; academically handicapped; culturally disadvantaged; disadvantaged youth; elementary school students; individualized programs; in ervice teacher education; instructional materials; junior high school students; learning disabilities; program discriptions; remedial instruction; program exalitation

The stated goal of the project was to accomplish two broad objectives: to give educators an opportunity to observe and work with cultitially disadvantaged children with learning disabilities, and trevaluate the impact of an individualized remedial program for these children. The report describes and discusses project-related activities and the implications which may be derived from these experiences and empirical findings, and constitutes a final statement on the first phase of the project. The first part presents the demonstration and training facets, which focuses on efforts to provindividualized instruction in special stoom settings and describes the next

phase of the project which will incorporate demonstration. Training, and research activities directly in the general public school classrooms. Also included are appendixes on creative writing, the student as teacher, videotape recorders, and other programs utilizing closed circuit television. (Author/K.)

ABSTRACT 22096

FC 02 2096 FD 034 237 Publ Date Ang 69 174p. Feshbach, Seymour And Others A Training. Demonstration and Insearch Program for the Remediation of Learning Disorders in Culturally Disadvantaged Youth, clin 2 parts.) Final Report.

California University, Los Angeles, Department Of Psychology

Celifornia State Department Of Feducation, Sacramento, Office Of Compensatory Education FDRS mf.h.

Descriptors: exceptional child research; academically handicapped; achievement; achievement; achievement; achievement gains; behavior; cognitive processes; cultural dissairantagement; elementary school students; junior high school students; learning disabilities; motivation; remedial programs

This project focuses on the empirical findings regarding achievement, cognitive, motivational, and behavioral simifarities and differences between the culturally disadvantaged and the more advantaged with learning disabilities, before and after remediation, as well as the changes which actived from the remedial programs; and discussion of the implications of these hadings for some of the basic issues relevant to educating the disadvantaged and the educationally handicapped. The major findings may be summarized as indicating that, under appropriate conditions, the disadvantaged students learned and performed as effectively as their advantaged counterparts with learning disabilities, and manifested similar basic attitudes concerning the value of education. Taken as a whole, the study is seen as providing evidence in support of the favorable consequences of integration for disadvantaged young-ters and of comprehensive education program, as contrasted with piecemeal efforts, (Author/KH)

ABSTRACT 22189

EC 02 2189 ED 037 841 Pubt. Date 68 25p. Patterson. Natalie E., Comp. Multi-Sensory Approach to Reading Disabilities. Layette County Public Schools. Lexington, Kentucky, Division Of Instructional Services EDRS mf ho

Descriptors: exceptional child research; learning disabilities; identification, intervention; conedial reading programs; reading difficulties; language arts, resource teachers; remedial reading, metor development, referral, teaching methods; instructional materials; rifficultibles in injured; dyslexia, emotional problems.

Educational diagnostic methods were used to screen children evidencing minihal beam damage, dyslexia, or emotionat problems. Of 750 children, 15% had such difficulties; they received a highly structured language arts program in homogeneous transition groups while remaining in their usual homeroom. In addition they participated in motor training and a rhythm and patterning program. Academic gains resulted in various areas; reading ages increased an average of 1.7. Appendives, comprising about two-thirds of the document, provide the referral form and an explanation of it along with descriptions of methods and materials used in the three programs, (JD)

ABSTRACT 22193 FC 02 2193 FT

Ft. 02 2193 FD 037 845
Publ. Date 68. 248p.
Focus on Children with Underdeveloped Skills: End of Budget Year
Report.
Montgomery County liourd Of Education. Rockville, Maryland
Office Of Education (DHEW), Washington, D. C., Bureau Of Flementary And
Secondary Education
FDRS of the
OF G-0-8-051460-2834

Descriptors: exceptional child research; learning difficulties; identification; intervention; learning disabilities; resource teachers; professional training, program coordination; preschool children; student evaluation; health; sercening tests; language development; academic achievement; family background; perceptual motor learning; learning readiness; adjustment (to environment)

BR-68-05146-0

Serving prekindergarten through grade 5, the project was designed to improve the educational performance of children with learning problems (without regard to caregorical labels) and thus support the work of the classroom teacher in the child's normal school setting. Team screening processes were developed to identify preschool or school age children. with learning problems; assessment, intervention and followup procedures were also developed, involving teaching teams and resource staff. In addition, continuing staff development and training procedures were provided for project personnel; the project was coordinated and integrated with the school system and the community; a record system was designed as a model for information collection, storage, and retrieval, and project evaluation procedures were dearloped and applied in terms of ourcomes for individual children and for the school system. Appendixes, comprising over half of the document, provide forms and other project material. (Author/3D)

ABSTRACT 22217

FC 02 2217 FD 037 869 Publ. Date 69 27p. Napr. Neima Learning Disability and Deficit Centered Classroom Training. Columbia University, New York, New York, Jeachers Callege EDRS mf. he RR-VI-N2

Descriptors: exceptional child research; learning disabilities; sensory training; academic achievement, student evaluation; intelligence; perceptual development; perceptual inotor coordination; psycholinguistics; language ability; sex differences; minimally brain injured; teaching methods.

Eighteen first grade children (10 boys and eight girls, 10's 91 to 128) who evidenced a developmental deficit on the Sapir Developmental Scale were placed in one of two groups. Twelve children in an experimental group comprised a self contained class and were given deficit centered training. The six in the control group were placed with 12 children without problems and given the traditional carriculum without deficit centered training. In the deficit centered program emphasis was placed on sensory stimulation in a carefully planned environment. The experimental group did significantly better on many, but not all of the intellectual, perceptual, and language tests; but data on academic achievement failed to show significant differences. I wo factors are noted which might have contributed to the results. children who develop unevenly may have a distinctive fearning pattern and process information differently, and neurological impairment could have a negative effect on academic performance regardless of WISC 1Q. These factors and questions raised by the study are discussed. (RJ)

ABSTRACY 22320

EC 02 2320 ED N.A. Publ. Date Nov 69 28p. Sent. Gerald M.

Development of Immediate Memory for Bisensory Stimuli in Normal Children and Children with Learning Disorders, Developmental Psychology Monograph.

American Psychological Association, Washington, D. C. FDRS not available

Developmental Psychology Monographs; VI N6 Part 2 PE-28 Nov 1969

Descriptors: exceptional child research; learning disabilities; dyslexia, memory; aural stimuli; visual stimuli; recall (psychological), thought processes; cognitive processes

To investigate menory and attention differences between retarded and adequate readers, an audiovisual analogue of dichotic listening presented three pairs of simultaneous, discrepant item pairs for free and directed recall. Forty eight boys with reading disabilities and a normal control group were studied. The greatest difference between groups was the weakness of the learning disabled boys to form audiovisual units with which to structure their recall. Analysis suggested that these subjects had two trate storage systems, one for cuditomind one for visual stimuli. They

preferred auditory stimuli, possibly due to constant fadure with reading material. The experimental group also made a disproportionate number of ordering errors; both groups were able to benefit from redundancy. Additional results and interpretations are reported. (RI)

ABSTRACT 22437

EC 02 2437 ED 033 757 Publ. Date Sep 68 21p. Ayres, A. Jean

Effect of Sensorimotor Activity on Perception and Learning in the Neucologically Handicapped Child, Final Progress Report.

University Of Southern California, Los Angeles

C'ildren's Bureau (DHEW), Washington, D. C. FDRS mf.bc

Descriptors: exceptional child research, academically handicapped; behav or patterns; elementary school students; learning disabilities; neurological defects; perceptual motor coordination; perceptual motor learning; sensory training; academic achievement

Pecause some learning disorders in children may be associated with perceptual-motor dysfunction, the study tested the effects of sensorimotor treatment on learning disorders and explored the nature of neurodevelopmental disorders. In Part One, 64 neuromuseular, perceptual, and cognitive measurements made on 36 educationally handicapped children with normal IQ's were subjected to Q-technique factor analysis. The two major patierns of deficits associated with low academic achievement were auditory, language, and sequencing, and postural and bilateral integration. Part I wo sought syndromes of dysfunction from an R-technique factor analysis of perceptual motor test scores. Q-analysis subjects and additional children with academic problems were tested. Emerging factors represented types of statistical associations among behavioral parameters apt to be affected by neurodevelopmental disorders. Part Three hypothe-ized that educationally handicapped children in special classes receiving sensurimotor training show a greater change in perceptual-motor, language, and academic achievement scores than children receiving the equivalent amount of additional classroom instruction. Test scores failed to support this hypothesis. The major contribution of the entire project was the identification of postura, and bilateral integration deficit which interfered with learning. (11)

ABSTRACT 22500

FC 02-2500 FD N.A. Publ. Date May 70 (2p. Davis, Bette Joe Differential Language Behavior Patterns and Diagnostic Evaluation. FDRS not available Journal Of Learning Disabilities: NANS 9264-75 May 1970

Descriptors: exceptional child research; language handicapped; educational diagnosis, language tests; evaluation methods, autism: schi ophrema; ninimally brain injured; mentally handicapped

language handicapped Lwenty-four children taged 3,2-6,2 years) were examined by means of clinical observations. performance on the language inventory, and administration of the Vineland Social Maturity Scal to their parents. On the basis of these measurements, categories of autistic, schrzophrenie, brain-injured, and retarded were ascribed to each individual. The diagnostic and treatment implications of differential language behavior patterns were explored, and patierns of observed behavfor were emphasized as a focus in plan-กเกษ for clinical intervention. (Author/RD)

ABSTRACT 22540

FC 02 2540 ED 038 810 Publ. Date Jun 69 84p. Freund, Janet W.

Survey and Recommendations on Learning Disabilities for Township High School District No. 113, Highland Park, Illinois.

fownship High School District No. 113, Highland Park, Illinois EDRS mete

Descriptors: exceptional child research: learning disabilities; educational programs; school services; research reviews (publications); resource teachers; intervention; program planning; identification; learning characteristics; program effectiveness; program administration; special classes

Seven of 14 high school students with learning disabilities were placed in a resource room. Results were mixed, but staff affirmed the need for a special program, Learning disability programs in the elementary schools underlying the high school were proposed. Also, programs at 12 other high schools were reviewed along with the literature on the nature and elements of learning disabilities and on methods of intervention. Areas for research were suggested and specialists were consulted regarding a proposed learning action-research center. The resulting recommendations for the center concerned diagnosis, remediation, facilities and materials, staff, coordination, demonstration, and community and university involvement. (JD)

ABSTRACT 21665

18 02 2665 FD NA Publ Date Apr 69 18p. Padalmo, Jane P.

A Program for the Elentification and Remediation of Perceptual Deficiencies in kindergarten and Primary Grade Students, Second Interim Progress Report.

Union Township Board Of Education, Union, New Jersey

Office Of Education (DEEW), Washington, D. C.

EDR5 not available OFG-3-7-703564-4312

Union Township Board Of Education, Union, New Jersey 07053 Descriptors exceptional child research; learning disabilities; kindergarten children; elementary school students; prevention; perceptually handicapped; perceptual development; sensory training, identification; inservice teacher education; screening tests; Elementary and Secondary Education Act Title III.

Screening procedures to identify all incoming kindergarten children with a perceptual deficit were conducted during the second summer of the study in basically the same manner as during the first summer. A total of 840 children were screened, 121 were selected for intensive perceptual training. Regular control and Hawthorne control groups were established. A structured program of perceptual training was provided to all kindergarten and primary grade children. All kindergarten and primary grade teachers received inservice training in methods and techniques of perceptual training by means of observations, workshops, and provision of special teaching aids. Video tapes for diagnostic and demonstration purposes were distributed. For the initial year of the study, mean difference between pre and post test results for 172 program children and 500 nonprogram children was extremely significant yielding a f-statis-vic of 9.17. Comparisons of mean growth on 10 individual subtests were made for four groups of matched pairs. There were enough differences at the .05 level of significance in favor of the experimental groups to rule out chance factor or suggestion that children improved who tested low and had more room for growth. A detailed statistical analysis will be available later in the course of this longitudinal study. (MS)

ABSTRACT 22692

EC 02 2692 ED N.A.
Publ. Date 70 23p.
Reed. James C. And Others
Teaching Reading to Brain-Damaged
Children: A Review.
Tufts University, Medford, Massachu-

setts, School Of Medicine
Social And Rebabilitation Service

(DHEW), Washington, D. C EDRS not available

Reading Research Quarterly; VS N3 P379-401 Spr 1970

Descriptors: exceptional child education; literature reviews; minimally brain injured, reading; teaching methods; refarded readers; research needs; clinical diagnosis; remedial reading

Literature from January 1960 through July 1969 on experimental studies on brain damage and reading is reviewed. Considered are problems in identification of brain damage, procedures in the neurological examination, and limitations of neurological criteria information. Specific studies on brain damage and teading are examined. Standards for documentation of brain damage in research studies on teaching ressing to brain-damaged children are recommended. A glossary of terms is included these

ABSTRACT 22852

1 C 02 2852
Pubi Date 66 63 p.
Farnham-Diggery, Sylvia
Self, Foture, and Time: A Developmental Study of the Concepts of Psychotic, Brain-Damaged, and Normal Children, Monographs of the Society for Research in Child Development, Serial No. 103, Vol. 31, No. 1.

FDRS not available

University Of Chicago Press, 1750 Ellis Avenue, Chicago, Illinois 60637 (\$3.00).

Descriptors: exceptional child research; minimally brain injured; emotionally listarbed; psychotic children; self concept; time perspective; objective; death; expectation; self evaluation

Described is a study examining sin itaristies and differences among brain-damaged, psychotic, and normal children on the following: the present self, time (duration and perspective, and the decision to waith the future self (goals and plans, and growing), and the end of self. Theory, procedures, and results are discussed separately for each, Information is given on 24 brain damaged, hildren. 24 psychotic children, and 48 normal children (matched to the nonnormal children) used as subjects and on the eight instruments used to obtain data. Results and statistical analyses are presented and discussed, (MS)

ABSTRACT 22894

EC 02 2894 FD 040 \$46 Publ. Date 69 150p. Chalfant, James C.; Scheffelin, Margaret A.

Central Processing Dysfunctions in Children: A Review of Research, NINDS Monograph No. 9.

Illinois University, Urbana, Institute For Research On Exceptional Children National Institute Of Neurological Diseases And Stroke (DHEW), Bethesda, Maryland EDRS mf

Superintendent Of Documents, U. S. Government Printing Office, Washington, D. C. 20402 (\$1.25).

Descriptors: exceptional child research: learning disabilities; research reviews spublications); neurological defects; medical research; learning processes; sensory integration; symbolic learning; research needs; memory; audit y perception; visual perception; baptic perception; language development; written language; information processing

Research on central processing dysfunctions in children is reviewed in three major areas. The first, dysfunctions in the analysis of sensory information, includes auditory, visual, and haptic processing. The second, dysfunction in the synthesis of sensory information, covers multiple stimulus integration and shorterin memory. The third area of research, dysfunctions in symbolic of erations, concerns auditory language, decoding and encoding written language, and quantitative language. In addition, esearch needs are summarized, (ID)

ABSTRACT 23255

1 C 02 3255 FD N.A Publ. Date 65 149p. The Child with Central Nervous System Deficit. Report of Two Symposiums.

Welfare Administration (DHEW), Washington, D. C., Children's Bureau EDRS not available

Superintendent Of Documents, U. S. Government Printing Office, Washington, D. C. 20402 (\$.75).

Descriptors: exceptional child research; neurologically handicapped; medical treatment; motor reactions; etiology; physiology; growth patterns; pathology; anatomy; neurological defects; medical research; motor development; medical evaluation; evaluation methods; mentaly handicapped; cerebral palsy; genetics

The publication examines expanding knowledge about the treatment of children with central nervous system deficits, focusing on etiological factors, developmental and growth patterns, and anaterrical, physiological, and pathological evidence. The introductory paper explores the scope of the problem, demonstrating its complexity and ramifications. Several articles investigate causal factors, including genetic and metabolic factors and perinatal problems. There are presentations of physiological and anatomical material such as the sensory tole of muscle spindles, the physiology of sensation, postural integration at spinal levels, attitudinal reflexes, proprioceptive, vestibular, and cerebellar mechanisms involved in the control of movement, and mechanisms of motor learning. The development of motor functioning is analyzed from the standpoint of normal, as well as abnormal, motor development, also including information on muscle activity and the plasticity of the nervous system in early childhood. O. e author considers problems of mental retardation in the child with central nervous system deficit. Several papers examine diagnostic and evalnative procedures. These discussions include essential factors, patterns for the assessment of motor performance, specific tests and tools, and an assessment chart with instructions for administrring the test. (JM)

ABSTRACT 23302

FC 02 3302 FD N.A.
Publ Date Mar 70 29p.
Salzinger, Kurt And Others
Training Parents of Brain-Injured
Children in the Use of Operant Conditioning Procedures.
New York State Department Of Mental
Hygiene, New York
LDRS not available
Behavior Therapy; VI N1 P4-32 Mar
1970

Descriptors: exceptional child research, neurologically handicapped; operant conditioning; parent participation; behassor change; behavior problems; parent education; parental background



15

Parents of beam minted children were trained in operant conditioning tech riigues, so that they could provide tune tional descriptions of their children's problem believious and then formulate and carry out behavior modification programs. Background characteristics were obtained and various tests and

observations made of the parents and children in order to find objective corre lates of the parents' performance and the children's response to the programs. All paireus who carried out the modification programs reported them effective. Others did not comprehend or keep record. or simply did not carry out the pro-

grams. Success was related to parents' educational level and to their perform ance on written tests of knowledge about operant conditioning and verbal ability implications for parent training are discussed (KW)

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