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A WIDE range of exploratory ventures in teacher education can be observed in the Austin, Texas, Public Schools as a result of cooperation with the University of Texas Research and Development Center in Teacher Education.

At Porter Junior High School a group of junior-year teacher trainees serve as teacher assistants, helping in such activities as grading papers, checking roll, making bulletin boards, working with individual pupils and teaching the entire class. Their learnings will be compared with those of a control group of college students attending the usual college courses in psychology and education. Video-taped records of the assistants at work are being used in the experimental part of the new program to help improve skills.

Individualized student teacher preparation is another facet being studied. Video-taped records of students at work in differing kinds of schools are compared for variation in teaching strategies that may be appropriate for different kinds of pupils.

Individualized teaching of children, another phase of the program, is being

studied both from the standpoint of improving the teaching of children and from the standpoint of better teacher education. The project involves the use of many media of instruction, including cartridge tape recorders, microfilm readers and reader-printers, nine-inch television sets, computer-assisted instruction stations, overhead projectors, individual filmstrip previewers, and individual tachistoscopes. This aspect of the program is found in the Brentwood and Metz Elementary Schools.

The Great High School Concept

Five high schools will be built to bring into being the new vision of the "great high school" as the core of a modern educational system, if the proposals of the most recent report from the superintendent of the Pittsburgh Public Schools are fully implemented. The five schools, geographically identified as east, west, north, south, and central, will house 3,000 to 5,000 students each, with an estimated one-third Negro enrollment in each. On hand is present authorization to spend \$57 million to begin to put the plan into effect.

As the annual report describes it,

each high school will form the center of an education park organized as a "sub-system of schools centering upon a large and highly visible core or nucleus. In the core are the high school and possibly the community college or technical institute. Radiating from the core to all parts of the sub-system are convenient traffic routes and walking areas that tie together the supporting middle schools, elementary schools, and pre-primary schools."

Statewide Music Enrichment Program

More than 500 music programs will be provided in Arizona this year in a Title III project jointly administered by the State Department of Public Instruction and the Mesa Public Schools. Ninety percent of the state's elementary and high school students will be reached by the concert series, which will present four symphony orchestras in the state as well as performances by individuals and groups from the three state universities.

Publications on Indian Education

The following leaflets on the education of Indians are among those available from the Arizona State Department of Public Instruction: *Problems in Understanding and Producing Sound, Rhythm, and Intonation; The Dicto-Comp: A Specialized Technique for Controlling Speech and Writing in Language Learning; 644 Spoken Vocabulary Words: The Basic Vocabulary (Pre-school Non-English Speaking Children); Our Own Language Barrier; and A Selected List of Recommended Books for Children, Ages 3-5, Who May Have Had Little Previous*

Opportunity to See and Enjoy Books (Division of Indian Education, State Department of Public Instruction, Suite 165, State Capitol Building, Phoenix, Arizona.

Ohio ASCD Bulletin on Innovations

Your Educational Improvement Survey: Speakers, Innovative Programs, and Research Projects is the title of a new publication of the Ohio ASCD. Listed in the bulletin are research projects in the state and also a list of major issues and problems, with a cross-index to a corps of consultants available to report on the projects or advise on the problems and issues (available through the Ohio Education Association, Columbus, Ohio).

Innovations in Tacoma

Among the newer courses being offered in the high schools of Tacoma, Washington, is a one-semester course in logic taught by John Robinson at Lincoln High. The course covers the history of logic, deductive and inductive logic, and elementary statistics and probability. A two-year course in philosophy, taught by DeVon Edrington, is offered at Wilson High; the first year covers logic and the history of philosophy and the second year, analytic philosophy. Lincoln also has a one-semester class in computer science, with Tony Sedgwick as instructor.

Have You Seen . . . ?

Have you seen the three films in the McGraw-Hill "Teaching the Disadvantaged Child Series"? Titles are *Portrait of a Disadvantaged Child; Tommy Knight; Portrait of the Inner*

City School: A Place to Learn; and *Portrait of the Inner City* (Text-Film Division, McGraw-Hill Book Company, Inc., 330 West 42nd Street, New York, New York 10036).

World History Taught in French

A group of sophomores at Thomas Jefferson High School (Richmond, Virginia) is being taught a course in twentieth century world history this year in the French language as part of a two-year study in which the schools of the city of Alexandria and Fairfax and Arlington counties also are participants. The Richmond class is the only one being taught at the tenth-grade level.

In-service Speech via Television

At a recent in-service meeting, social studies teachers in Portland, Oregon, received a tele-lecture from Emlyn Jones of the University of Wisconsin. Following the lecture, there was a question period.

New Materials in Social Studies

The Portland social studies program is being enriched by the preparation of 100 artifact kits available to elementary schools. Kits include reproductions of early Egyptian clay tablets, plaster casts of Indian petroglyphs from Columbia River cliffs, models of boats and machinery, native masks, and Indian mortars and pestles recreated in fibre glass and sand and so sturdy that they can be used to grind corn.

Also available, either new or revised, are three publications written for Portland students: *Portland—World Seaport*; *Portland's Early Story*; and *Geology of Oregon*.

School Statistics from Montana

Montana schools have enrolled 1200 more pupils this year than last, for a total of 168,000 (as of October 1966). Fewer pupils this year than last are found in kindergarten and first, third, and sixth grades. Overall increase is less than one percent. Of the 7,655 teachers employed this year, all but 151 hold regular certificates.

Media Saturation Project

One of the ESEA Title III projects being continued this year in the Clark County, Nevada, School District is the Media Saturation Project at Highland Elementary School (Las Vegas). The program "provides educationally deprived students with experiences they have not had through the use of visual media and is expected to increase reading ability."

Early Childhood Centers

"Here the teachers and teacher aides provide daily experiences for children who otherwise might lack the opportunities most of us agree are every child's birthright. Here the children find acceptance, trained guidance in exploration, many experiences with success, and shared joy in succeeding. Here their parents find concerned guidance in their search for more effective ways of meeting the challenges of parenthood. Here the two generations work toward preparing for whatever the world's tomorrow may bring." This statement of intention is included in a recent report on the early childhood education program of the Richmond, Virginia, Public Schools, which this year have classes for four-year-olds in six centers.

Mathematics-Science Demonstration Program

The Richmond, Virginia, Public Schools have received a \$280,000 federal grant to develop a demonstration program in mathematics and science. Plans call for classes in Fortran programming before and after school; a mobile unit of exhibits to be scheduled for two-day visits at schools; the equipment of two classrooms at John Marshall High School as mathematics and science laboratories that will be staffed by a teacher with part-time assistance from scientists in industry and which will be open afternoons, evenings, and Saturdays; and 15 summer institutes for students—five in mathematics, five in science, and five in a combination program for elementary pupils.

Newsletter for Indiana Language Teachers

Four-N, standing for *Novedades! Neuigkeiten! Nouvelles! Noboctn!*, is a newsletter issued for Indiana modern language teachers several times a year by the Department of Modern Languages, Purdue University (Lafayette, Indiana 47907).

Reading in the Kindergarten

Of wide interest will be Kenneth Wann's review of the study conducted in Denver on the effects of reading instruction in the kindergarten as found in *Beginning Reading Instruction in the Kindergarten*, a special leaflet from the NEA's Department of Elementary-Kindergarten-Nursery Education (NEA Stock Number: 282-08812; free when request is accompanied by a stamped, self-addressed envelope).

World Affairs Workshop Course

Wayne Grinnen of East High School (Youngstown, Ohio) is teaching this year a ninth-grade course in world affairs, using materials prepared by the Encyclopaedia Britannica Press in association with the *New York Times*. The course covers China, the Soviet Union, Europe, the Middle East, Latin America, and Asia.

For the Education of the Deaf

A series of bulletins on the education of the deaf has been recently completed by the curriculum department of the Houston, Texas, Public Schools. The titles follow: *Guides for Teaching the Deaf and Hard of Hearing—Preschool-Grade Two, Grades Three and Four, and Grades Five and Six*. Also available is *Standards of Achievement for the Deaf and Hard of Hearing*. Houston operates a county-wide school for the deaf, with 200 pupils and 25 teachers.

Reading Centers in Nashville

Twelve high school reading centers have been opened in the Metropolitan Nashville-Davidson County School District this year. Teachers in the centers were members of a six-week training session last summer. Students receiving instruction in the centers are drawn from either the seventh or tenth grades, with the idea of getting to their problems as early as possible. Each center is equipped with a variety of audio-visual as well as printed materials.

Foreign Language Enrolments

Current enrolments in eight foreign languages in New York City schools fol-

low: Spanish, 112,571; French, 76,973; Italian, 8,862; German, 4,215; Hebrew, 3,197; Latin, 1,518; Russian, 641; and Chinese, 233. This year, all students in the entering classes of the intermediate schools, either grade 5 or grade 6, have been scheduled in Spanish, French, or Italian under a new no-screening policy.



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