



## E.T.V. In The College Of Education

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Educational television is a relative newcomer to our College campus; yet, it has already made important contributions to our teacher education program.

During the summer session of 1962 a closed circuit television system was installed temporarily between two buildings in the College of Education. The system was used to transmit team teaching classroom demonstrations and planning sessions along with demonstrations of guidance and counseling techniques to education students in regularly scheduled classes during the summer session.

The College of Education CCTV system has been recently completed. Seven buildings in the college have been permanently linked by a closed circuit television system enabling television origination from within fifty feet of any terminal outlet in any building. The control center for the system is located in the multipurpose building on the University High School campus. Two control rooms, a backstage area, and the stage comprise a small television broadcast studio and control complex. All equipment, including two camera chains, multiplexer, and video-tape recorder are of broadcast

quality, and the College now has one of the finest College of Education closed circuit television systems in the United States.

During the 1963-64 academic year, over one hundred hours of television projects were completed in the College system, and over twenty hours were recorded on videotape for future utilization. A small staff was employed and trained to develop educational and instructional television programs with the University faculty, members of the State Department of Education, and other state agencies. The College ETV facility is currently associated with two research grants in ETV totaling \$36,000 from the U.S. Office of Education and the National Science Foundation, and has produced educational television videotape recordings for broadcast over ETV stations on the mainland.

### Purposes of ETV

The College ETV system is used for five major purposes: (1) Research and experimentation in ETV; (2) direct observation of classroom activities in the laboratory schools; (3) instruction in the utilization of educational television; (4) supplementary instruction in certain college classes; and (5) recording of certain descriptive television programs reporting on current educational activities to the public.

Much of the activity in the ETV facility is concerned with research and experimentation in the production and utilization of television in an instructional situation. Although the value of ETV has long since been proven, continuous experimentation and evaluation in the most effective methods of using television is necessary in order to make maximum use of the medium. As a result, experimentation in new techniques of television presentation for direct instruction, and new concepts of utilization practices are a continuing aspect of the College of Education ETV program.

Typical of this type of activity was the recent production, utilization and evaluation of a series of supplementary enrichment lessons for the eighth grade. Designed as a unit in social studies called "People of Oceania" by Professor Lillian Lum, a series of five thirty-minute instructional lessons was produced in cooperation with the Bishop Museum. The videotaped lessons were used in large group instruction in the Intermediate School and evaluated by teachers and students. Similar experimentation and research in the effectiveness of multimedia presentations, in the relative effectiveness of large screen vs. small screen television, and in the production and utilization of a social studies unit for the fourth grade are presently underway.

The most far-reaching research is being carried out in the area of student observation via television. Designed to test the values of video-tape televiewing of selected classroom situations for purposes of developing observational skills in future elementary teachers, this research project was made possible by a grant from the United States Department of Health Education and Welfare. Titled "The Efficiency of Video-Tapes and Direct Observation for Teaching Observational Skills," the study was designed by Professor E. Jenkins and is currently underway in classrooms in the laboratory schools.

The utilization of television as an observational device has been effected in many colleges and university schools of education throughout the United States. Through television, groups of students in the pre-service teacher-education program can observe children in a normal classroom atmosphere without being physically present in the room itself. This permits planned observation on a much broader scale than is otherwise possible, under existing conditions.

A further example of this use of television in the College is the individualized reading demonstrations designed by Dr. R. Porter, featuring members of the staffs of the laboratory schools. Recorded for viewing for the intern seminar groups the observations demonstrate new methods of instruction in reading.

Another use of the College of Education ETV facility is in the area of course instruction in the production, utilization and evaluation of educational television. The television facilities are used approximately seven hours per week for laboratory exercises in three University courses (Ed EP 634, Speech 475, and Speech 370). As a part of the curriculum in educational communications these course laboratories provide practical experience in educational television



and are an integral part of the learning experience for students involved in developing understandings of new media and education.

### Supplementary Instruction

The College of Education is also involved in providing supplementary instruction via television for certain college classes. Typical of this activity is the four thirty-minute demonstrations on sports and recreational skills produced by Dr. D. Curtis. The video-taped demonstrations are used as supplementary lectures in HPE 221 and additional courses. Another example of this type of activity is the current production of a series of instructional lessons in Medical Self Help. Produced in cooperation with the State Department of Health and the Hawaii Medical Association, the series of fifteen-minute lessons will be used by the Health and Physical Education Department of the College and by the College of Nursing during ensuing semesters.

In addition to these activities, the College ETV facility is utilized as a production agency for the recording of certain descriptive television programs reporting on current educational activities to in-service teachers and the public. Produced for transmission over commercial stations, series such as "Exploration in Education—The 50th State," and the projected "Methods for Modern Teachers," are designed to inform public and private teachers as well as the public about current and pro-



posed programs, projects and objectives of education in Hawaii. Individual programs such as "The University Abroad," "The Superintendent's Report" and the recent televised annual report by the President are produced in the College ETV facility.

The College is also actively involved in an important televised in-service teaching project in the Physical Sciences. Produced and recorded in the College ETV facility under a grant from the National Science Foundation, the instructional lessons comprising a credit course in Physics and Chemistry are transmitted over a commercial station for elementary and secondary teachers enrolled in the In-Service Institute in Science.

In addition to these activities, the College ETV staff develops and plans important cooperative institutes and workshops with various agencies, including the State Department of Education, East-West Center, East-West Philosophers' Conference, Honolulu Council of Churches, the Conference Center of the College of General Studies, and various state or governmental agencies, as well as professional educational groups.

Although our ETV facility is relatively new, much has been accomplished in a short time. The full range of possibilities for utilization of educational television in the college program has yet to be explored. The future utilization of this new tool of education is dependent upon the imagination of those who see this medium as a partial solution to some of the problems of education.