

UC To Put Seismographic Facility In Santa Cruz

A broad plan to create six new seismographic facilities in Central California and improve the instrumentation of existing ones will be implemented shortly by the University of California as a result of the negotiation of a \$400,000 contract between the university and the air force office of scientific research.

The new stations will be connected by means of a telemeter system with the university's central seismographic station on the Berkeley campus.

Purpose of the new stations and the system of communication is to provide information rapidly to the Berkeley station on the location of the epicenters of relatively small earthquakes below magnitude 5.

The contract also provides for three mobile, truck-based seismographic units, which can be quickly dispatched to the area of the epicenter in order to collect information on the nature and position of aftershocks following smaller earthquakes.

The scientists in charge of the new project are Dr. Perry Byerly, professor of seismology and director of the University's seismographic stations, and Dr. Don Tocher, research seismologist.

According to the researchers, the plan, when fully implemented, will permit the first definitive studies of aftershocks associated with small earthquakes. The studies may also be of value in helping scientists to distinguish clearly between small natural earthquakes and man-made explosions.

The six new seismographic stations will be located at or near Mt. St. Helena, northeast of Santa Rosa; Pt. Reyes, in Marin county; Santa Cruz, Los Banos, in Merced county; Coalinga, in Fresno county; and Jolon, near the southern edge of Monterey county. Existing stations, in addition to the one in Berkeley, are located at Hollister, Palo Alto, San Francisco, and Mt. Hamilton.

The contract also provides for the construction of new underground vaults for the seismographic instruments of the station on the Berkeley campus. The subterranean station, which will be the nerve center of the telemeter network, will be located in an isolated section of Strawberry Canyon, above the campus proper, at least 600 feet from the nearest road.

The present Berkeley station is situated in the center of the Berkeley campus, where local traffic and artificial noises render the instruments partially ineffective.

When the entire network is in operation, the outlying stations will automatically transmit earthquake information to the new Berkeley station for recording. The advantages of this arrangement, according to the scientists, are several:

- (1) There will be no need to man the outlying stations.
- (2) Only one timing system (at Berkeley) is required.
- (3) The telemeter system will permit the immediate detection of instrument troubles at the outlying stations.
- (4) The rapid reception of information at Berkeley will make it possible to locate the epicenter of a small earthquake in an outlying area within an hour or two after the main shock.

Once such an epicenter is located, the three mobile seismographic units will be dispatched

to the area, where they will be arranged in such a way as to give the maximum possible information on aftershocks following the main earthquake.

The mobile units will be equipped with radio-telephone, transceivers for rapid placement and relocation of stations in the field as the aftershock sequence progresses.

The seismologists said that the Central California coastal area is an ideal locale for such a system, being as subject to earthquake activity as any area in the country. As an example, they said that within this area they recorded 103 separate epicenters in 1955, 118 in 1956, and 113 in 1957.

Funds for the project have been provided by the air force technical applications center, air force office of scientific research of the air research and development command.

Constitutionality In Schools Argued

Miami, Fla. (AP). — A professed agnostic and a group of Jewish leaders met on common ground in a Miami courtroom today to challenge the constitutionality of religious practices in public schools.

Two civil actions will attempt to halt Bible reading in classrooms, required by Florida law.

An injunction is sought in one suit against classroom prayers, hymn singing, baccalaureate programs, use of religious symbols, and observances of religious holidays such as Christmas and Easter.

The other case was brought by Harlow Chamberlin, a Dade county resident who said he wants to raise his children in a non-religious atmosphere. He is backed by the Florida Civil Liberties union.

A Jewish spokesman said his group's list includes Hanukkah programs. He explained: "The complaint also objects to Jewish religious observances on the ground the public schools should be free of all sectarian intrusions, no matter what the religion."

Regarded as one of the most significant test cases affecting religious liberty and separation of church and state in recent years, the Jewish action is expected to be carried to the U. S. supreme court ultimately.

Russia Sets U2 Pilot's Trial For August 17

Moscow (AP). — August 17 has been fixed for the trial of Francis Gary Powers, 30, the American U2 pilot shot down over Soviet territory May 1, the Soviet news agency Tass said today.

Powers is charged with espionage, for which the maximum sentence is death by shooting.

The pilot will be tried in open court before the military section of the supreme court of the U.S.S.R., Tass said.

PUBLIC NOTICE

NOTICE TO CONTRACTORS

Sealed proposals will be received at the office of the Division of Beaches and Parks, 210 Olivier Street, Monterey, California, until 2:00 p.m., Tuesday, August 2, 1960, at which time and place they will be publicly opened and read, for construction of roads, camp spurs, and related work, within New Brighton Beach State Park and within Sunset Beach State Park, both in Santa Cruz County, California, in accordance with plans and specifications therefor.

Bids must be submitted for the entire work described therein. Deviations from plans and specifications will not be considered and will be cause for rejection of bids.

Forms of proposal, bid forms, plans and specifications may be obtained at the office of the said Agency at 210 Olivier Street, Monterey, California.

The said State Agency reserves the right to reject any or all bids.

In accordance with the provisions of Section 1773 of the Labor Code, the said State Agency has ascertained that the generally prevailing rate of wage applicable to the work to be done is as follows:

HOURLY CRAFT OR TYPE OF WORKMAN

PARIS WILL RAZE

OLD NATO BUILDING

Paris (AP).—The old North Atlantic Treaty Organization buildings, long an eyesore, will be torn down by February. Demolition started right after the collapse of the summit conference in May, for which the buildings served as a press center. NATO headquarters now is at the Porte Dauphine, near the Bois de Boulogne.

Havana (AP).—Saturday's medical bulletin on Fidel Castro said the prime minister's temperature is normal and he is continuing to improve from a seige of pneumonia.