

special advisory committees together represent a long stride toward solving the problems of proper balance within the programs of the Bureau.

"In recent public discussion of the Bureau much attention has been given to the matter of battery additives. Unfortunately this has obscured the real problem, which is the Bureau's established policies and procedures with respect to the evaluation of commercial products in general. While the Kelly Committee did not concern itself with the technical phases of the battery additive case, it did study the procedural and policy questions which it raised.

"The report of the Kelly Committee will recommend that all nontechnical policy and procedural matters on commercial product evaluation at the Bureau be made the responsibility of the Secretary of Commerce and that the Director's responsibility be limited to the technical area. I agree with this recommendation and shall implement it.

"The third major problem with which I was concerned involved the administration of the internal affairs of the Bureau. The Kelly Committee found that the administrative set-up of the Bureau, in which 14 of the 17 technical divisions report directly to the Director, so over-burdened him with internal management problems that he is unable to give adequate attention to his broader responsibilities. The Committee has recommended a sound administrative pattern that will relieve the Director of detailed supervision and make his time available for the essential professional functions of the office.

"In order to implement the Committee's recommendations in the administrative area, I am for this purpose placing the Bureau under the immediate supervision of the Assistant Secretary of Commerce for Administration, Mr. James C. Worthy. Mr. Worthy has had extensive administrative experience both in private business and in government and in the last several months has been closely associated with Dr. Astin in dealing with administrative affairs of the Bureau, particularly with reference to the transfer to the Department of Defense of the activities noted above.

"All these changes which are being made are positive improvements in the Bureau. They correct conditions which in many cases considerably antedate Dr. Astin's period as Director and for which he cannot be held responsible.

"It is a basic principle of American government that an Administration, held accountable by the people for governing, has the right to appointive officials of its own choice, who act as a team in determining policies and in advancing programs of the Administration. Past and current actions of mine are based on this principle, including this particular decision to request Dr. Astin to continue as Director.

"My own observations and the report of the Kelly Committee have convinced me that there is a major task ahead in placing the Bureau in a position to discharge in balance the obligations of its authorized functions and that this task can be best and most rapidly accomplished by the action I now take.

"No further need exists to seek a successor, as Dr. Astin has expressed his willingness and desire to continue as a key official of this administration and as such he is from here on a member of my team.

"This decision has been discussed with the Secre-

tary's Visiting Committee, which I had asked to provide me, by early September, with a limited list of suitable candidates for the Directorship of the Bureau. Its members are in unanimous agreement with the action I am taking today.

"I am confident that both Dr. Astin and I will have the hearty support of the personnel of the Bureau, whose devotion to the public service is recognized by me and by all acquainted with their work and spirit.

"The report of the Kelly Committee will say: 'By the very nature of its functions the Bureau's work must not be reasonably good, it must be superior; and because of the contributions to national strength that it can make in our highly industrialized society, they must not be available as now to only limited sectors of science and technology, they must be available throughout all science and technology. A superior Bureau that contributes in balance to all areas of our industrial nation can only be realized by better organization and increased financial support.'

"I sincerely endorse these objectives and will do my utmost to attain them."

ONR Goes Pogo

Summer Cosmic-Ray Expeditions

The designations by the Office of Naval Research of its summer arctic expedition as "Project Mushrat" and its equatorial expedition later on, as "Project Churchy" evolved, one is told, from the use of balloon-launched Deacon rockets on the former expedition and from the prevalence of turtles on the Galapagos Islands, the site of the latter work. The purpose of both projects was to make comprehensive series of high altitude observations of the primary cosmic radiation, and the pressure, temperature and density of the atmosphere near the geomagnetic north pole and the equator.

The Deacon rockets, which are small and relatively inexpensive, were able to attain great altitudes by being launched from Skyhook balloons at altitudes of more than 77 000 feet. This scheme was developed by James A. Van Allen of the State University of Iowa for cosmic-ray research and was also employed last year. The Project Churchy group includes personnel from the Bartol Research Foundation, General Mills, New York University, the Naval Research Laboratory, and the Universities of Minnesota, Washington, and Chicago. Nuclear emulsions were to be flown for a number of other institutions as well on a hitch-hike basis, attached to the instruments of one of the participating groups.

Miscellany

A standard system of notation for unstable particles was proposed in July at a cosmic ray conference held under the sponsorship of the International Union of Pure and Applied Physics at Bagnères de Bigorre, France. Under the new system the notation would be: *L*-mesons (symbol *L*) for pi- and mu-mesons and any other possible lighter mesons; *K*-mesons (symbol *K*) for particles with masses between pi-mesons and pro-