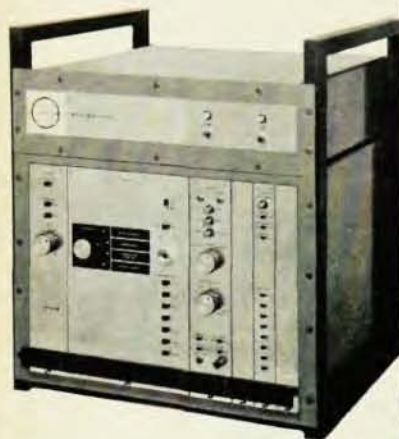


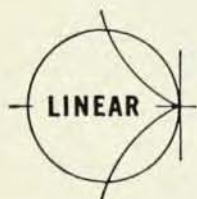
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tween teaching and research, advising that distinguished teaching be rewarded by the academic institutions, themselves, and that university research be closely related, insofar as possible, to the education of students or legitimate public services. In addition, the university should not permit research support from outside sources to distort the faculty member's concept of loyalty to the institution or to create inequities in salary scales that make teaching less attractive. Citing the present seven-percent annual national increase in doctoral degree production, the Committee concurred with President Kennedy's Science Advisory Committee, which in 1962, recommended that major efforts be devoted to increasing the national output of doctors in science, engineering, and mathematics. At the same time, the Committee stressed the necessity for maintaining high standards for graduate degrees and, to this end, suggested further development of existing science-education centers and the creation of new ones. But the Committee warned against forming such centers anywhere but in institutions that already give definite promise of emerging through their own efforts as important new centers of research and education.

The Committee also recommended that university scholars work with lower-school teachers to improve the quality of the precollege science curriculum and that universities with particularly strong science departments provide special study and research opportunities for faculty members of small liberal arts colleges. The small colleges themselves, have an obligation to provide salary and research-opportunity incentives to their faculty members in order not to lose them to more attractive industrial and university environments and thus reduce the quality and quantity of science education to be obtained in a small college.

Finally, the Committee recommended further study and publication of information in the areas of the economics of scientific manpower, the unused potential in human resources, technological aids in teaching and communications, the operating environment of the organization and the working environment of the individ-

ual, and the relationship of scientific and engineering manpower to public policy. As a point of departure for such studies, the Committee presented as the second portion of its report a collection of study papers by several economists, industrialists, and scientists, which examine in detail problems in these areas.

In a letter to Dr. Killian, President Johnson approved the timeliness of the report and acknowledged the Federal government's "special responsibility to conduct its affairs with an enlightened concern for the critical part it now plays in the utilization of the Nation's manpower".

The report, Publication No. 1191, may be obtained from the Printing and Publishing Office of the National Academy of Sciences, 2101 Constitution Avenue, Washington, D. C.

New translation journal

Beginning in July 1965, the American Institute of Physics will publish *Soviet Physics—Nuclear Physics*, a translation of the new USSR Academy of Sciences journal, *Yadernaya Fizika*. The Russian journal will commence publication in January. This periodical will be devoted to: experimental research on the physics of the nucleus, properties of nuclei, nuclear reactions and disintegrations; fundamental papers on the application of nuclear methods to other areas; papers on methodological problems having general significance for the physics of the nucleus and of elementary particles; investigation of high-energy particles in cosmic rays; and theoretical work on the physics of the nucleus and of elementary particles. *Soviet Physics—Nuclear Physics* will appear monthly and is expected to contain the translation of some 2300 pages annually. Subscriptions will cost \$70 in the US, Canada, and Mexico, and \$74 elsewhere. Orders and inquiries should be sent to Department S at the American Institute of Physics, 335 East 45 St., New York, N. Y., 10017.

Chart of the Nuclides

The seventh edition of the Chart of the Nuclides, revised to June 1964, has recently been published. Informa-

tion given includes: half-lives, decay modes, and thermal neutron cross sections. The spins and parities of nuclear ground states, where measured, have been included for the first time. Copies are available free of charge from Educational Relations, General Electric Company, Schenectady, N. Y., 12305.

Nuclear data

A Subcommittee on Nuclear Data of the Commission on Low-Energy Nuclear Physics of the International Union of Pure and Applied Physics has been appointed by the Commission's chairman, P. Huber of Switzerland. Established in response to a resolution adopted on July 8 by the plenary session of the Congrès Internationale de Physique Nucléaire, the Subcommittee includes the following members: L. Rosenfeld (Copenhagen), *chairman*; D. W. Colvin (Saclay); R. van Lieshout (Amsterdam); K. Way (Oak Ridge); and a USSR representative to be selected by the USSR Academy of Sciences.

The request for the establishment of the Subcommittee grew out of discussion at the session on scientific information during the International Congress. The resolution urged in particular that the Subcommittee should:

1. Advance the use of a system of author-supplied key words to accompany articles and reports.
2. Coordinate the work of existing compiling groups and encourage the organization of new compiling groups to fill needs not now being met.
3. Promote the establishment of new means of publication of indexes, tables, and compilations.

The new Subcommittee will first test and improve the present key-word list proposed by the Nuclear Data Group with a view to recommending later its world-wide adoption by authors and editors. It will also seek suggestions for a key-word system appropriate for theoretical papers and will encourage the inauguration of new types of publication, such as a compilation journal, which will make tables and compilations more generally available to the world scientific community.



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