PUBLISHING NEWS

Computational Physics

A group of physicists who make extensive use of computers has asked AIP to establish a new journal with the above title. An ad hoc committee discussed this question during the APS meeting in Washington in April. While the committee did not take a stand in favor of such a journal, it did recommend that the question be presented to the physics community through *Physics Today*.

The important role of the digital computer as a tool for both experimental and theoretical physicists is widely recognized. Equations too complex for analytic treatment may be solved numerically; the experimenter uses the computer as an aid in setting up his experiment as well as in recording and analyzing his data. However, there has been no recognized home among physics journals for detailed exposition of computational techniques.

One obvious solution of this problem would be publication of a new journal to meet this specific need.

An alternative solution, which was considered by the ad hoc committee, might be a broadening of the scope of two existing AIP journals. *The Review of Scientific Instruments* might be the appropriate place for treating computer systems for recording and analyzing data, as part of the instrumentation of experimental physics. It might also handle a section of notes on the availability of codes, etc. Mathematical methods for solving physics problems, based on the capabilities of computers, might be published in the *Journal of Mathematical Physics*. The editors of both journals have indicated their willingness to accept such material.

In some cases, a fuller treatment of computational techniques than is now customarily accepted might be included in the other journals.

Opinions of interested physicists as to what solution of this problem will best serve the physics community are urgently requested.

Hugh C. Wolfe
AIP Director of Publications

JETP Letters

The American Institute of Physics has begun publication of an English-language translation of the Russian journal *JETP Pis'ma v Redaktsiyn* under the title *JETP Letters*. The original journal, which is the first example of an express letters journal in Russian, was established by separating the Letters to the Editor section from the *Journal of Experimental and Theoretical Physics* of the Soviet Academy of Sciences. The English translation is edited by J. George Adashko.

JETP Letters will be published biweekly, using the dates and volume numbers of the Russian original. (The first issue, dated April 1, appeared in English in June.) A rapid translation system has been established to permit publication of the English version within a few weeks of the arrival of the Russian Journal in New York. For the remainder of 1965 the new journal will be included gratis with standing subscriptions to *Soviet Physics–JETP;* starting in January 1966, *JETP Letters* will be sold separately.

Frequency-stability papers sought

A special issue of the *Proceedings* of the Institute of Electrical and Electronics Engineers, devoted to frequency stability, is planned for February 1966. Original papers on both long-term and short-term frequency stability, especially papers that contribute to the definition of the terms, are solicited. Fields of interest include theory, devices, measurement techniques, and users' requirements in radar, aerospace, and other applications.

Manuscripts submitted for consideration should reach A. R. Chi, Code 521, Goddard Space Flight Center, Greenbelt, Md. 20771, on or before September 1, 1965. A complete manuscript should include a copy of the abstract and text, with original illustrations and biography and photograph of the author. The deadline is extended to September 15 for those who send in the 15 manuscript copies required for review.