

search into these materials has evolved from the tradition of growing transparent crystals of optical quality, e.g. artificial quartz, NaI (TI) crystals for elements of infrared spectroscopy, etc. and the resultant study of such crystal/defect structure, etc. It is now stimulated by the demand for such materials in laser research, LiNb₃, PbMoO₄, TeO₂, KDF, etc.

As I have already mentioned, mission-oriented work constitutes a large fraction of solid state research. Very much effort is devoted to the development of memory devices for the computer industry. Magnetic bubble memories are now in their final stage of development. The activities in the field of semiconductors are also notable.

After this brief and by no means complete review of physics research carried out in Hungary, I should like to summarize some general considerations.

1) In the past 25 years, research in physics has grown from the efforts of a few talented but isolated persons to a coordinated, often mission-oriented activity of a large group of scientists with a long-term research strategy.

2) Governmental authorities, responsible for the development of the country's economy, seek support from the scientific community and stimulate scientific activities by financial and other means.

3) Hungary, as a small country, is unable to increase its level of scientific research without intense collaboration with institutes abroad, principally with those in European countries. Multilateral connections, e.g. work in the Joint Institute of Nuclear Research, and bilateral agreements (with almost all European countries) are vital for our scientific progress.

4) The present trend to establish close connections between HAS institutes and industrial laboratories and with university groups is expected to be one of the driving forces of future progress.

It must be borne in mind that in a small country like ours, and at our technological level, it is important that the problems to be studied are selected with the utmost care. We are encouraged to concentrate our efforts upon problems connected with our scientific traditions and occasionally upon tasks which may help to solve problems linked with the national economy.

Finally, we Hungarian physicists would like to have a small share in the development of physics in general for the benefit of people in Europe and all over the world.

Instituut voor Kernfysisch Onderzoek



Theoretical Nuclear Physicist

IKO, the intermediate energy nuclear physics section of the new Dutch national institute for nuclear and high energy physics (NIKHEF) has a (possible tenured) position open for a theoretical nuclear physicist.

The institute is presently constructing a 300 MeV high duty cycle electron linac which will be used for experimental studies in the fields of electron scattering and low energy pion/muon physics.

Applicants are expected to have a good background (PhD and preferably several years of post doctoral experience) in areas of nuclear theory which are closely related to the experimental program.

Applications including resume, references and publication list, should be sent to: Taber de Forest, IKO, Postbus 4395, Amsterdam, the Netherlands (tel. 020-930951) before April 1, 1977.

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Letter to the Editor

Inventory of Unpublished Documents in 20th Century Physics

Sir,

The Office for History of Science and Technology at the University of California, Berkeley, is undertaking a world-wide survey of archival holdings related to physics in this century. The published inventory which results will locate and identify correspondence and unpublished papers of approximately one thousand physicists active between 1900 and 1950. Of particular interest is documentation of contact between physicists and intellectuals outside the domain of academic physics.

Readers with special knowledge of :

- Unpublished correspondence with physicists, particularly items in private hands or in archival collections associated primarily with non-physicists ;
- Letters to or from a physicist published in journals or books not likely to be well known to historians of science ;
- Archival holdings of the papers of little-known physicists ;

are urged to relay this information to the Survey of Archives,

c/o Office for History of Science and Technology
470 Stephens Hall
University of California
Berkeley, California 94720.

B.R. Wheaton