

## **IAEA SYMPOSIUM SCHEDULED FOR AUGUST**

The International Atomic Energy Agency has scheduled its Symposium on Medical Radioisotope Scintigraphy for August 6-15, 1968, in Salzburg, Austria. The IAEA points out that this symposium will provide an opportunity for participants to exchange information on recent advances in methods used for investigating the distribution of radioactivity *in vivo*. Depending on the nature of the abstracts received, the IAEA plans to arrange the presentation of papers into two parts. Technical data concerning the performance of new types of moving-detector scanners and stationary-detector scintillation cameras will be presented on August 6-9, and applications of these instruments for medical diagnosis using one or more radioisotopes will be presented on August 9-15.

Detailed information and forms for submitting abstracts of papers can be obtained from the national authority for atomic energy matters. Abstracts must be submitted through these authorities in time to reach the Scientific Secretariat before March 1, 1968. For further information, contact either Dr. G. J. Hine or Dr. H. Vetter in the Section of Nuclear Medicine, IAEA, Kaerntner Ring 11, Vienna I, Austria.

## **NEW MEMBERS OF AEC ADVISORY COMMITTEE**

Two new members have been added to the AEC Advisory Committee on the Medical Uses of Isotopes. They are David E. Kuhl M.D., Associate Professor of Radiology at the Univ. of Pennsylvania School of Medicine and Charles D. West M.D., Ph.D., Associate Research Professor of Biology at the Univ. of Utah College of Medicine. They join Wallace D. Armstrong M.D., Professor of Physiological Chemistry, Univ. of Minnesota Medical School; John E. Christian Ph.D., Head of Bionuclear Dept., Purdue Univ.; Robert H. Greenlaw M.D., Associate Professor of Radiology, Univ. of Kentucky; E. Richard King M.D., Professor of Radiology, Medical College of Virginia; George V. Leroy M.D., Medical Director, Detroit Metropolitan Hospital; Rulon W. Rawson M.D., Dean of Medicine, N.J. College of Medicine; Harald Rossi Ph.D., Professor of Radiology, College of Physicians and Surgeons, Columbia Univ.; and Robert Shalek Ph.D., Associate Physicist, M.D. Anderson Hospital and Tumor Institute, Univ. of Texas.

## **ISOTOPE LICENSING SIMPLIFIED BY AEC**

Changes in the AEC licensing regulations aimed at streamlining the licensing of medical uses of isotopes in diagnostic procedures went into effect late in 1967, almost a year after they were first proposed.

The proposal divides the most common diagnostic uses of radioisotopes into two groups and specifies that anyone applying for a license to use radioisotopes within one of the groups will automatically be considered as an applicant for all of the uses within the group if he satisfies the licensing criteria. To be considered for a license in either group the applicant must satisfy present AEC medical licensing requirements and must have adequate clinical training and experience as well as appropriate instrumentation.

Into Group I fall the uses of radioisotopes for medical uptake, dilution and excretion. These include  $^{131}\text{I}$  or  $^{125}\text{I}$  as sodium iodide for thyroid-function studies,  $^{131}\text{I}$  or  $^{125}\text{I}$  as iodinated human serum albumin for determinations of blood and blood plasma volume,  $^{131}\text{I}$  or  $^{125}\text{I}$  as labeled rose bengal for liver-function studies,  $^{131}\text{I}$  or  $^{125}\text{I}$  as labeled fats or fatty acids for fat absorption studies,  $^{131}\text{I}$  or  $^{125}\text{I}$  as labeled iodopyracet, sodium iodohippurate, sodium iothalamate, sodium diatrizoate, diatrizoate methylglucamine, sodium diprotrizoate or sodium acetrizoate for kidney-function studies,  $^{51}\text{Cr}$  as labeled human serum albumin for gastrointestinal protein loss studies,  $^{51}\text{Cr}$  as sodium chromate for determining red blood cell volumes and red blood cell survival time,  $^{59}\text{Fe}$  as sulfate, chloride or citrate for iron turnover studies,  $^{58}\text{Co}$  and  $^{60}\text{Co}$  as labeled cyanocobalamine for intestinal absorption studies and  $^{42}\text{K}$  as chloride for potassium space determinations.

Group II includes scanning procedures and tests for localizing tumors. Included are  $^{131}\text{I}$  as sodium iodide for thyroid scans,  $^{131}\text{I}$  as iodinated human serum albumin for brain-tumor localizations and cardiac scans,  $^{131}\text{I}$  as macroaggregated iodinated human serum albumin for lung scans,  $^{131}\text{I}$  as colloidal iodinated human serum albumin and as labeled rose bengal for liver scans,  $^{131}\text{I}$  as iodopyracet, sodium iodohippurate, sodium diatrizoate, diatrizoate methylglucamine, sodium diprotrizoate or sodium acetrizoate for kidney scans,  $^{131}\text{I}$  as sodium iodipamide for cardiac scans,  $^{51}\text{Cr}$  as sodium chromate for spleen scans,  $^{198}\text{Au}$  in colloidal form for liver scans,  $^{197}\text{Hg}$  as chlormerodrin for kidney

and brain scans,  $^{203}\text{Hg}$ , as chlormerodrin for brain scans,  $^{85}\text{Sr}$  as nitrate or chloride for bone scans in patients with diagnosed cancer and  $^{99\text{m}}\text{Tc}$  as per-technetate for brain scans.

#### **PROCEEDINGS OF COMPUTER SYMPOSIUM**

The Proceedings of the "Symposium on Computers and Scanning," held at Tulane University on December 16-17, 1965, are now available from the Society. The symposium, which brought together speakers experienced in both the technology of computers and the technology of scanning, covered the many uses to which computers are now being put in nuclear medicine. The proceedings are edited by John U. Hidalgo. Copies are available from the Society of Nuclear Medicine, 211 E. 43rd St., New York, N.Y. 10017. Price to be announced.

#### **FELLOWSHIPS AVAILABLE AT BERKELEY**

Postdoctoral fellowships in nuclear medicine are now available at the Donner Laboratory, Univ. of California at Berkeley. The duration of the training period varies from 1 to 3 years depending on the research interests of the fellow.

Training consists of formal coursework in mathematics, physics and nuclear medicine as well as direct experience in applying isotopes, nuclear radiation and physical instrumentation to medical problems. Each fellow will receive adequate training in performing and interpreting routine diagnostic procedures using radioisotopes by working in the Laboratory's nuclear medical unit located in a large hospital, the special metabolic patient care unit and the nuclear medical clinic. Independent research by the fellow in the area of his interest is encouraged.

Fellows who fulfill the requirements of the graduate division of the Univ. of California will receive a Ph.D in medical physics or biophysics. Applicants should have residency training in a specialty such as medicine, endocrinology, metabolism, hematology, radiology, pathology, surgery, neurosurgery, pediatrics, etc.

The Donner Laboratory also has available a fellowship for advanced study and research in radiology. Activities include investigating the biological effects of high-energy particles and participating in clinical radiological projects using high-energy particles. One or two courses in the graduate program in biophysics and medical physics can be taken concurrently. Applicants must have completed residency training in radiology or comparable training. The stipend will depend on qualifications and experience.

Application forms for all fellowships are available from Dr. John Lawrence, Donner Laboratory, Univ. of California, Berkeley, Calif. 94720.

#### **WILLIAMSBURG SYMPOSIUM SCHEDULED**

The annual continuation course in radiology, sponsored by the Medical College of Virginia and held at the Convention Center in Williamsburg, is scheduled for February 27 through March 2, 1968. This three-and-a-half-day program will be devoted to "New Applications in Nuclear Medicine" with emphasis on points of a practical nature. Over 40 papers will be delivered by ten guest lecturers as well as the permanent faculty at the Medical College of Virginia.

The guest lecturers include: Merrill Bender, Albert Gilson, Jack Goodrich, Alexander Gottschalk, Craig Harris, David Kuhl, James Potchen, James Quinn, III, Henry Wagner, Jr. and Richard Wetzell.

Those who are interested in attending this symposium should contact Dr. Alton Sharpe, Division of Nuclear Medicine, Dept. of Radiology, Medical College of Virginia, Richmond, Virginia 23219.

#### **SQUIBB CREATES THREE FELLOWSHIPS**

E. R. Squibb and Sons has announced the creation of three \$1,000 fellowships in nuclear medicine as a part of its program in support of postgraduate medical education. The full details of these fellowships will appear in forthcoming issues of the Journal.