

**Fifth National Meeting
Society for Applied Spectroscopy**

Chicago Section—Hosts

Sheraton Chicago Hotel—June 13-17—Chicago, Illinois

PROGRAM

NUCLEAR PARTICLE AND GAMMA RAY SPECTROSCOPY

Session IV—Friday, June 17, 1966

GAMMA SPECTROMETRY IN BIOLOGICAL APPLICATIONS

Presiding: E. KAPLAN, Chief, Radioisotope Service, V. A. Hospital, Hines, Illinois

- | <i>Time</i> | <i>Title and Speaker (Underlined)</i> |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9:00 | Questions and Answers: The Significance of Nuclear Science and Technology in Biomedical Research
<u>J. M. A. LENIHAN</u> , Western Regional Hospital Board, Glasgow, Scotland (Invited Paper) |
| 9:15 | A Quantitative Determination of Copper In Biological Material Using Neutron Activation Analysis and Electrodeposition of the Copper
<u>R. C. BROWN</u> , <u>WEAVER, M. L.</u> , AND <u>H. STERN</u> , Washington State University, Pullman, Washington |
| 9:30 | Elements Detectable In Human Hair Samples By Instrumental Neutron Activation Analysis
<u>V. P. QUINN</u> , General Atomic, San Diego, California |
| 10:00 | Discussion |
| 10:20 | Break |
| 10:30 | Gamma Spectrometry in Whole Body Counting
<u>S. COHEN</u> , Brookhaven National Laboratory, Upton, New York (Invited Paper) |
| 11:00 | Enhancing the Scope of Radioisotope Scanning by Use of Gamma Spectrometry
<u>A. GOTTCALK</u> , University of Chicago Hospitals, Chicago, Illinois |
| 11:15 | Multi-isotope Organ Scanning by Gamma Spectra Subtraction
<u>E. KAPLAN</u> , <u>G. CLAYTON</u> , <u>S. FINK</u> , <u>B. JACOBSON</u> , <u>M. BEN-PORATH</u> |
| 11:30 | Coupling of Radioisotope Scanner and Analyzer Computers
<u>R. SPENCER</u> , Yale School of Medicine, New Haven, Connecticut |
| 11:45 | Copper and Manganese In Serum of Patients With Various Diseases
<u>E. L. KANABROCKI</u> , <u>CASE, L. F.</u> , <u>L. GRAHAM</u> , <u>T. FIELDS</u> , <u>E. B. MILLER</u> , <u>Y. T. OESTER</u> , AND <u>E. KAPLAN</u> , Radioisotope Service, V. A. Hospital, Hines, Illinois |