The development of tumors on inoculation of RSV (Rous sarcoma virus) in foreign species and the phenomena underlying the successful recovery of the virus on inoculation of the chicken with such tumor cells is a central interest of this group. Shelvaghy is particularly interested in the transformation of human cells with RSV. At the Institute for Oncology at Moscow, Svet-Moldavsky reports the induction with RSV of tumors in various lizards. At the same institute, Mazurenko is exploring the possible helper activity of various murine leukemia viruses for tumors of rats and mice induced with RSV. Studies on avian sarcoma virus are also being conducted by Diadkova at the Institute of Experimental Oncology at Leningrad and by R. Kukaine and her colleagues at the Kirchenstein Institute. The unavailability of a viral leukosis-free poultry flock would appear to impose a handicap on research on avian sarcoma and leukemia viruses in the Soviet Union.

Svet-Moldavsky has continued the studies on the "heterogenization" of mice, as shown by the ability to reject skin grafts from strictly syngeneic animals after inoculation of homogenates of certain tumors. He believes that the physical and biological properties of the heterogenizing agent are consistent with the postulate of a small, virus-like agent.

Mazurenko is investigating the biological and immunological aspects of his murine leukemia virus. A particular feature of his recent work has been an exploration of the possible role of interferon on infections with this and other murine leukemia viruses.

Studies are also underway on murine leukemia viruses at the Gamaley Institute and at the Kirchenstein Institute; but no reports have yet been published by Soviet workers on murine sarcoma viruses.

At L. A. Tarasievitch State Central Institute for Vaccine Preparation, Moscow, Altstein has studied adenovirus SV-40 hybrids. At Gamaley Institute, Irlin is studying the development of new antigens in cells infected with poloma virus and the intracellular localization of virus in mouse cultures showing persistent infection. Deichman (Institute of Experimental and Clinical Oncology) is investigating the transplantation antigens of primary SV-40-induced tumors and their metastases.

This visit reaffirmed and strengthened the belief of the visitors that U.S. and Soviet medicine have much to gain through such interactions. Our group consisted of Drs. W. P. Rowe, National Institute of Allergy and Infectious Diseases (Chairman); C. F. T. Mattern, National Institute of Allergy and Infectious Diseases; V. Defendi, Wistar Institute, Philadelphia, Pa.; H. R. Morgan, University of Rochester School of Medicine, Rochester, N.Y.; S. Kit, Baylor University College of Medicine, Houston, Tex.; and T. E. O'Conner, National Cancer Institute.

TIMOTHY E. O'CONNOR
National Cancer Institute,
Bethesda, Maryland 20014

Bibliography
Appendix Literature Supplied by Soviet Scientists and Institutes to the U.S. Group

Institute of Poliomyelitis and Viral Encephalitis, Moscow
8. Institute of Experimental Pathology and Therapy, Sukhumi, Georgia
9. Monkeys and Science, B. A. Lapin, Ed. (no date), 130 pp., in English.
14. Monkeys—Their Use in Medical and Biological Experimentation, B. A. Lapin, Ed. (1963), 330 pp., in Russian.
15. Problems of Physiology Experimental Pathology, and Radiation Biology, N. A. Grigorovich, Ed. (1965), 420 pp., in Russian.
18. Institute of Experimental and Clinical Oncology, Moscow
20. Institute of Oncology, Leningrad
22. Institute Brochures—in English
   b. Institute of Poliomyelitis and Viral Encephalitis, Moscow (1966).

Radiation Materials Corporation's total capability and vast experience of technical staff are utilized in the selection of materials and methodology for preparation of radioactive products to meet the requirements of each application. Requirements may range from precisely defined activity levels using standard source configuration to sophisticated requirements utilizing special design, manufacturing and calibration techniques.

In this era of rapidly developing nuclear applications, RMC regards special products and related services as a major corporate activity. RMC provides the resources necessary to maintain the highest level of performance required by the nuclear community.

Write for catalog RADIATION 1 and Special Requirement Inquiry Forms.
Personnel Placement

Positions Open

New Career Opportunities

(a) Biochemist: Enzymology exp.; staff & supervisory res.; research grant, $19-20,000 FEY PD; m.s. or Ph.D. required.
(b) Toxicologist: Ph.D. or D.V.M.; supervisory experience in animal reproductive studies; $15,000; drug mfr.
(c) Bacteriologist: Research scientist; 275-bed university hospital; virology; Open; E. (d) Teacher: Physics/Chemistry IB, AB arts; 9 mos.; $10,000; S. (e) Biochemist: Research lab, 75-bed hospital; several clinics; $15,000 FEY PD; M.S. or Ph.D.
(f) Microbiologist: Direct R&D animal health; prod.: $17,000 FEY PD; BF as. MOE.; Woodward PERS BUREAU, 185 N. Wabash, CHICAGO 60661.

Lab Technician

Canine Research: M.S. or Ph.D.; preferred experience in pharmacology or biochemistry. Will use drug levels in biological fluid. Write: DR. John Edmonson, MAIMONIDES MEDICAL CENTER, 4002 Tenth Ave., Brooklyn, N.Y. 11219

Psychologist

Ph.D. desirable but not essential. To conduct behavioral research in an industrial-laboratory environment. An opportunity to establish the parameters of your own lab in a developing company for utilizing sensitivity training and/or T-Group techniques for problem-solving and planning. Starting salary $15,000--based on education and experience. The area is close to the cultural and social activities of the Nation's Capital; however, it is sufficiently removed from metropolitan traffic congestion to offer more spacious and relaxed living. Write or call collect.

Charles R. Holman
NAVAL ORDNANCE STATION
Indian Head, Md. 20640
Phone 301-743-5311, Ext. 296
An Equal Opportunity Employer

BIOLOGIST: To join a working editorial unit of an exciting encyclopedia publishing project. Candidates must have Ph.D. training in the life sciences, biochemistry, microbiology, genetics, physiology or related fields. An active research experience would be a definite asset. Please write to Box 302, SCIENCE.

Research Editors

Research Editors wanted. Chicago area: Bachelor's or Master's degree, strong backgrounds in bacteriology, microbiology, botany, taxonomy, earth sciences, standards, or theoretical physics. Please submit resume in confidence to Howard G. MacMillan, Jr., Senior Placement Representative, Dept. 393-A

Academic Pathologist

Position involves chiefly teaching and research, with limited service responsibility. Opportunities for independent or collaborative investigation. Salary to be commensurate with training and experience. Apply to: Dr. Philip E. Simon, Chairman, Dept. of Pathology, Creighton University School of Medicine, Omaha, Nebraska 68131.

Graduate Study

Radiation Health Fellowships: Degree programs leading to M.S.(Hygiene), Ph.D. Background in physics, chemistry, biology, chemistry, or medicine required. Active research program in large health center complex. Specialties available in radiobiology, radiation chemistry, biochemistry, health physics and radiological engineering and physics. Full tuition and fees, tax-free stipend of $3000 to $4800 per year. J.A. Citizens. Contact Dr. Joseph A. Watson, Radiation Health Division, Graduate School of Public Health, University of Pittsburgh, Pittsburgh, Pa. 15213.

Graduate Teaching and Research Assistantships Leading to M.A. and Ph.D.

Teaching: Academic year stipend $2400 and up, tuition, textbook support, D.V.M. research. Research: Limited number paying $4000 and up calendar year. Research in inorganic, physical, chemical and biochemistry, Write to Chairman, Department of Chemistry, Temple University, Philadelphia, Pa. 19122.

The Market Place

Books • Services • Supplies • Equipment

Sprague-Dawley, Inc.
Pioneers in the development of the STANDARD LABORATORY RAT

P.O. Box 4220
Madison, Wisconsin
CE 3-5318

Histology Service

Rapid Service Large Orders Quickly Processed. Quickly Shipped! Professional supervision of every order. Free estimates on special problems. Distant points serviced swiftly. Special stains and techniques available. Full protected shipments. HISTOLOGY SERVICE, INC., Division of Lowendale Laboratory (218) 5-5103 6190 Rising Sun Ave., Philadelphia, Pa. 19111.

Trace Element Problems?


Chemtrex

Special Nuclear Shielding

Chemtrex Corporation
Central Valley, Mich.
914-928-2293

Research Biochemist

Ames Company Division, Miles Laboratories, Inc., highly diversified, rapidly growing in the areas of clinical diagnostic testing devices and biomedical instrumentation, has an excellent opportunity for a Ph.D. biochemist. Candidate should have sound background in organic and/or immunochemistry. Responsibilities include conducting basic research in enzyme kinetics as well as modification of enzymes. Excellent starting salary plus superior benefits program including profit sharing. Relocation expenses paid by the company. Send current experience in confidence to Howard G. MacMillan, Jr., Senior Placement Representative, Dept. 393-A

Ames Company Division
Miles Laboratories, Inc.
Elkhart, Indiana 46514

An Equal Opportunity Employer