atomic problems, especially to atomic spectroscopy. Then, based on knowledge gained in atomic physics, problems in nuclear theory and quantum electrodynamics were investigated. New methods were afterwards developed to study nuclear problems, field theory and many-body problems of physics. These newer methods are now being applied to problems in atomic spectroscopy as revealed by the title of the book.

The material is based on the G. H. Dieke Memorial Lectures given at the Johns Hopkins University in early 1966. The reader must bear this fact in mind when approaching this book because most of the information is presented in a highly condensed form. Also, the reader should have a good grasp of the more conventional Racah methods used in atomic spectroscopy to be able to take full advantage of the information discussed in the text.

The lectures must be considered to be a tour de force, for which the author is to be congratulated, but unfortunately the novice in this field will not be greatly helped without a substantial amount of outside reading and filling in between the lines. However, one must take into account that this book is not a textbook for the uninitiated but a series of lectures on recent work in the forefront of the field. Although the Johns Hopkins Press has done a service to the scientific community by publishing these important lectures, thus affording a wider audience to obtain the benefit of these lectures, it is, however, unfortunate that the cost is approximately 10 cents per page.

Harold Mendlowitz is professor of physics at Howard University and has been studying atomic transition probabilities.

NEW BOOKS

ELEMENTARY PARTICLES & FIELDS High Energy Collisions of Elementary

Particles. By R. J. Eden. 298 pp. Cambridge U. Press, London, 1967. \$9.50

NUCLEI

Theory of Finite Fermi Systems and Applications to Atomic Nuclei. By A. B. Migdal. Trans. from Russian by Scripta Technica. 319 pp. Interscience, New York, 1967. \$17.50

Modal Approximations: Theory and an Application to Reactor Physics. By Weston M. Stacey Jr. 122 pp. MIT Press, Cambridge, Mass., 1967. \$6.00

Nuclear Data for Reactors, Vol. 1. Conf. proc.(Paris, Oct. 1966) 576 pp. International Atomic Energy Agency, Vienna, 1967. Paper \$12.00

Nuclear Data for Reactors, Vol. 2. Conf. proc. (Paris, Oct. 1966) 437 pp. International Atomic Energy Agency, Vienna, 1967. Paper \$9.00

Recovery of Fission Products. (Bibliographical Series No. 25) 242 pp. International Atomic Energy Agency, Vienna, 1967. Paper \$5.00

ATOMS & MOLECULES

Principles of Gas Lasers. By L. Allen, D. G. C. Jones. 158 pp. Plenum Press, New York, 1967. \$12.00

Masers and Lasers: Physics and Design. By J. S. Thorp. 312 pp. St. Martin's Press, New York, 1967. \$8.50

FLUIDS, PLASMAS

Slow-Wave Propagation in Plasma Waveguides. By A. W. Trivelpiece. 165 pp. San Francisco Press, San Francisco, 1967. \$5.50

Advances in Heat Transfer, Vol. 4. James P. Hartnett, Thomas F. Irvine Jr, eds. 458 pp. Academic Press, New York, 1967. \$19.00

The Application of Plasmas to Chemical Processing. Raymond F. Baddour, Robert S. Timmins, eds. 206 pp. MIT Press, Cambridge, Mass., 1967. \$12.50

SOLIDS

Ferroelectricity. Conf. proc. (General Motors Res. Labs., Warren, Mich., Sept. 1966). Edward F. Weller, ed. 318 pp. American Elsevier, New York, 1967. \$29.00

Solid-State Dosimetry. (Bibliographical Series No. 23) 143 pp. International Atomic Energy Agency, Vienna, 1967. Paper \$3.00

Fluorescence: Theory, Instrumentation, and Practice. Conf. proc. (Miami Beach, April 1967). George G. Guilbault, ed. 697 pp. Dekker, New York, 1967. \$15.75

The Properties of Liquid Metals. Conf. proc. (Brookhaven National Lab., Upton, N. Y., Sept. 1966).
 P. D. Adams, H.
 A. Davies, S. G. Epstein, eds. 748 pp.
 Taylor & Francis, London, 1967.
 \$22.00

CLASSICAL PHYSICS

An Introduction to the Statistical Theory of Classical Simple Dense Fluids. By in two volumes

PHYSICS OF SHOCK WAVES AND HIGH-TEMPERATURE HYDRODYNAMIC PHENOMENA

by Ya. B. Zel'dovich and Yu. P. Raizer

Academy of Sciences, U.S.S.R.

English version of second Russian edition edited by Wallace D. Hayes, Princeton, University

Ronald F. Probstein, Massachusetts Institute of Technology

"To our knowledge, this book integrates for the first time the various disciplines pertinent to high-temperature gas dynamics and reentry physics. It is written on three levels: it presents the physical fundamentals with plausible, deeply intuitive derivations; it then adds mathematic precision; and finally, it provides further important results for reference. It therefore should become essential to graduate students, teachers, and researchers in all aspects of this diverse field...The most delightful aspect of this book is its style—a tribute to authors and translators. Deep intuitional arguments stimulate the reader's imagination, and simple numerical estimates whet his appetite for the mathematical derivations to follow. Clear motivation, alternative derivations, and simple example abound. It is written in an almost abound. It is written in an almost abound. It was breezy conversational style. It was a pleasure to review." -Science

"Books on physical gasdynamics are appearing at a steadily increasing rate, but the present text stands out as a particularly valuable contribu--Nature

VOLUME 2 (Chapters VII-XII)

Sections: Shock Wave Structure in Gases. Physical-Chemical Kinetics in Hydrodynamic Processes. Radiative Phenomena in Shock Waves and in Strong Explosions in Air. Thermal Waves. Shock Waves in Solids. Some Self-Similar Process in Gasdynamics. Cited References. Constants, Units, and Formulas. Author Index. Subject Index. 1967, 452 pp., \$18.00, \$14.75°

VOLUME 1 (Chapters I-VI)

Sections: Elements of Gasdynamics and the Classical Theory of Shock Waves. Thermal Radiation and Radiant Heat Exchange in a Medium. Thermodynamic Properties of Gases at High Temperatures. Shock Tubes. Absorption and Emission of Radiation in Gases at High Temperatures. Rates of Relaxation Processes in Gases. Cited References. Constants, Units, and Formulas. Author Index. Subject Index. 1966, 464 pp., \$18.00, \$14.75°

°Set price applies only on orders for both volumes.





from CAMBRIDGE

High Energy Collisions of Elementary Particles

This account of high energy collisions of elementary particles that interact strongly is designed both as an introduction to the subject and as a guide to the present position of research on problems and experiments on which progress can be expected in the next few years. It is intended primarily for graduate students and for more senior physicists who are interested in recent developments. \$9.50

The Analytic S-Matrix

R. J. EDEN,

P. V. LANDSHOFF, D. I. OLIVE, J. C. POLKINGHORNE

"An important book for graduate students and research workers in elementary particle physics and probably for nuclear and solid state physicists as well ... the basic mathematical methods developed are pertinent and important."—Choice (ALA)

"This type of 'experimental physics' is a highly developed mathematical art and is very clearly presented. Should be very useful to serious mathematical physicists."—Science \$14.00

An Introduction to Fluid Dynamics

G. K. BATCHELOR

Describes the fundamentals of the dynamics of real fluids and makes accessible to undergraduates an understanding of common flow systems and flow phenomena obtained from research over the past forty years.

Particular attention is paid to the correspondence between observation and the various conceptual and analytical models of flow systems. Many photographs of flow fields are included. \$13.50

The Triplet State

A. B. ZAHLAN, Chairman Editorial Board

The proceedings of the first international conference held to discuss the triplet state and various physical phenomena now known to be associated with molecules having orbital electrons with parallel spins, and techniques for their investigation.

The symposium was held at the Department of Physics, American University of Beirut, in February 1967. \$17.50

Proceedings of the First International Symposium on The Decontamination of

Nuclear Installations

Edited by H. J. BLYTHE

The papers included are grouped into seven sessions (each followed by an edited account of the discussions), dealing with decontaminating agents, surfaces, reactors, design and planning, decontamination centres, miscellaneous decontamination problems and health physics aspects.

The Logic of Special Relativity

S. J. PROKHOVNIK

Discusses the nature and sources of the difficulties and apparent contradictions in Einstein's theory which are still controversial. These include not only the clock paradox but also the seeming conflict between the principles of relativity and the cosmological viewpoint that the observable universe defines a preferred reference frame everywhere. Published jointly with Melbourne University Press. \$5.95

Cambridge University Press

32 EAST 57th STREET, NEW YORK, N.Y. 10022

G. H. A. Cole. 284 pp. Pergamon Press, Oxford, 1967. \$12.00

Optical Coherence Theory: Recent Developments. By Gordon J. Troup. 76 pp. Barnes & Noble, New York, 1967. \$3.75

Underwater Acoustics, Vol. 2. Conf. proc. (Copenhagen, July-Aug. 1966). V. M. Albers, ed. 416 pp. Plenum Press, New York, 1967. \$20.00

Statistical Mechanics: Foundations and Applications. Conf. proc. (Copenhagen, July 1966). Thor A. Bak, ed. 582 pp. W. A. Benjamin, New York, 1967. \$12.75

Static Electrification. Conf. proc. (London, May 1967). 173 pp. Institute of Physics and The Physical Society, London, 1967. £10

MATHEMATICS & MATHEMATICAL PHYSICS

Random Matrices and the Statistical Theory of Energy Levels. M. L. Mehta, ed. 259 pp. Academic Press, New York, 1967. \$12.00

Linear Algebra. (3rd edition) By Werner H. Greub. 434 pp. Springer-Verlag, New York, 1967. \$9.80

Multilinear Algebra. By Werner H. Greub. 225 pp. Springer-Verlag, New York, 1967. \$8.00

Approximation of Functions: Theory and Numerical Methods. By Günter Meinardus. 198 pp. Trans. from German by Larry L. Schymaker. Springer-Verlag, New York, 1967. \$13.50

Nonlinear Partial Differential Equations: A Symposium on Methods of Solution. Conf. proc. (U. of Delaware, Dec. 1965). W. F. Ames, ed. 316 pp. Academic Press, New York, 1967. \$14.00

INSTRUMENTATION & TECHNIQUES

The Generation of High Magnetic Fields. By David H. Parkinson, Brian E. Mulhall. 165 pp. Plenum Press, New York, 1967. \$11.50

Research Applications of Nuclear Pulsed Systems. Conf. proc. (Dubna, USSR, July 1966) 234 pp. International Atomic Energy Agency, Vienna, 1967. Paper \$5.00

Standardization of Radionuclides. Conf. proc. (Vienna, Oct. 1966) 744 pp. International Atomic Energy Agency, Vienna, 1967. Paper \$15.00

COMPILATIONS

Sourcebook on Atomic Energy. (3rd edition) By Samuel Glasstone. 883 pp. Van Nostrand, Princeton, N. J., 1967. \$9.25

HISTORY & PHILOSOPHY

Collected Papers of P. L. Kapitza, Vol. 3. D. ter Haar, ed. 244 pp. Pergamon Press, Oxford, 1967. \$13.50

Galileo Galilei: Dialogue Concerning the Two Chief World Systems—Ptolemaic & Copernican. (2nd edition) Trans. from Italian by Stillman Drake. 496 pp. U. of California Press, Berkeley, 1967. \$12.50

ASTRONOMY, SPACE, GEOPHYSICS

Relativity Theory and Astrophysics, Part 1: Relativity and Cosmology. Conf. (Cornell, July-Aug. 1965). Jürgen Ehlers, ed. 289 pp. American Mathematical Society, Providence, R. I., 1967. \$9.40

Relativity Theory and Astrophysics, Part 2: Galactic Structure. Conf. proc. (Cornell, July-Aug. 1965). Jürgen Ehlers, ed. 220 pp. American Mathematical Society, Providence, R. I., 1967. \$8.10

Relativity Theory and Astrophysics, Part 3: Stellar Structure. Conf. proc. (Cornell, July-Aug. 1965). Jürgen Ehlers, ed. 134 pp. American Mathematical Society, Providence, R. I., 1967. \$6.70

The Magnetic and Related Stars. Conf. proc. (Greenbelt, Md., Nov. 1965). Robert C. Cameron, ed. 596 pp. Mono Book, Baltimore, Md., 1967. \$25.00

Analytical and Numerical Methods of Celestial Mechanics. By G. A. Chebotarev. Trans. from Russian by Scripta Technica. 331 pp. American Elsevier, New York, 1967. \$17.50

Introduction to Stellar Statistics. By Rudolf Kurth. 175 pp. Pergamon Press, Oxford, 1967. \$8.00

Electromagnetic Depth Soundings. By L. L. Vanyan et al. Trans. from Russian by George V. Keller. 312 pp. Consultants Bureau, New York, 1967. Paper \$27.50

BIOPHYSICS

Magnetic Resonance in Biological Systems. Conf. proc. (Stockholm, June 1966). A. Ehrenberg, B. G. Malmström, T. Vänngard, eds. 431 pp. Pergamon Press, Oxford, 1967. \$21.50

CHEMISTRY & CHEMICAL PHYSICS

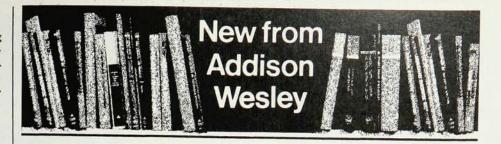
The Triplet State. Conf. proc. (American University of Beirut, Lebanon, Feb. 1967). A. B. Zahlan et al, eds. 544 pp. Cambridge U. Press, London, 1967. \$17.50

Fundamentals of Gas-Surface Interactions. Conf. proc. (San Diego, Dec. 1966). Howard Saltsburg, Joe N. Smith Jr, Milton Rogers, eds. 557 pp. Academic Press, New York, 1967. \$14.50

TEXTBOOKS

Mechanics of Continua. By A. Cemal Eringen. 502 pp. Wiley, New York, 1967. \$18.00

The Electromagnetic Spectrum and Sound: 50 Modern Experiments. By C. H. Bailey. 135 pp. Pergamon Press,



FOUNDATIONS OF QUANTUM MECHANICS

By J. M. JAUCH, University of Geneva, Switzerland

This advanced text is designed to acquaint the reader with a modern approach to the subject and with the mathematical tools used in this approach. The book, which uses modern mathematical language to a greater degree than is customary in other texts, is chiefly concerned with conceptual foundations rather than applications or approximations. The discussion is restricted to general aspects of nonrelativistic theory.

In addition to the standard reference material, this book provides the student with the results of recent research on the foundations of quantum mechanics, which has been conducted in Geneva during the past few years.

299 pp. \$15.00

UNIVERSITY OF CHICAGO GRADUATE PROBLEMS IN PHYSICS: With Solutions

By Jeremiah A. Cronin, *University of Rochester*, and David F. Greenberg and Valentine L. Telegdi, *University of Chicago*

Designed for self-study, this book is intended to prepare the senior-graduate student in physics for the "qualifying exam" for admission to the Ph.D. degree. Problems are stated and solutions are worked out, often in several ways. There is an emphasis on physical concepts in the solutions proposed.

Features of the book include a broad coverage of topics and the choice of physically interesting problems. The book is intended to be useful to both U. S. and foreign students. The latter will find it particularly helpful if they intend to pursue graduate studies in America.

263 pp. Hardbound: \$8.50 Paperbound: \$4.95

ADVANCED QUANTUM MECHANICS

By J. J. SAKURAI, University of Chicago

The purpose of this second-year-graduate-level text is to present major advances in quantum physics not covered in usual courses in nonrelativistic quantum mechanics. In content the book covers the usual fundamental topics, *vis* the quantum theory of radiation and the Dirac theory of the electron. In addition, a number of diverse topics are included which are designed to address a wide community of physicists.

336 pp. 52 illus. \$15.00

MATHEMATICAL PHYSICS

By EUGENE BUTKOV, St. John's University

Employing the inductive approach, this graduate-level text and reference presents a classroom-type discussion, includes many cross-references, and makes frequent references to the questions of mathematical rigor. Stress is given to the pedagogical side of the book in order to make it more readable to the student and well-suited for independent study.

c. 768 pp. 213 illus. Approx. \$14.75

THEORY AND APPLICATIONS OF HOLOGRAPHY

By JOHN B. DEVELIS, Merrimack College, and George O. Reynolds, Technical Operations, Inc.

Here is an exhaustive treatment of holography that combines both theory and practical applications. This well-illustrated and documented book is the result of extensive research, experiment and investigation by the authors in a rapidly expanding field. In analyzing the results of their research, the authors present both previous work and new discoveries in terms of basic physical concepts. Also reviewed are many applications still in their infancy that merit further investigation.

196 pp. 64 diagrams & graphs, 161 illus. \$12.95

For further information or approval copies write Dept. A-997

Addison-Wesley
PUBLISHING COMPANY, INC.
Reading, Massachusetts 01867



THE SIGN OF EXCELLENCE

Just published . . .

INTRODUCTION TO MODERN OPTICS

GRANT R. FOWLES, University of Utah

Professor Fowles incorporates into this book of basic principles several recent developments in optics that have previously been discussed only in research literature or in highly specialized books. This material includes such topics as lasers and their applications, the concept of partial coherence, and the theory of holography, as well as thorough coverage of coherence, photon statistics, and multilayer film theory. In order to treat the theory of the laser adequately, a brief introduction to quantum theory and atomic spectra is included. The emphasis in this part of the book is on the emission of light by atoms and molecules. The first half of the book deals essentially with physical optics, propagation, interference, diffractions, coherence, and propagation of lights in solids. The second half treats the quantum aspects. The final chapter presents the theory of light amplification as well as the applications of this theory in the production of

January 1968

320 pp.

\$11.95

ELECTROMAGNETICS AND PLASMAS

JAMES R. WAIT

A concise treatment of linear wave phenomena in bounded plasmas. The main theme is the method of finding solutions of electromagnetic field equations in ionized gases or "plasmas" as they are now known. The book is based mainly on a series of graduate lectures in applied physics as Harvard University.

January 1968

160 pp.

\$12.50 (tent.)

Now available . . .

COLLEGE PHYSICS A Programmed Aid

HENRY SEMAT, The City College of the City University of New York, and **RALPH H. BLUMENTHAL,** Grumman Aircraft Corporation, Bethpage, N.Y.

Vol. I: MECHANICS, 192 pp.; Vol. II: HEAT, WAVE MOTION, AND SOUND, 128 pp.; Vol. III: ELECTRICITY AND MAGNETISM, 208 pp.; Vol. IV: LIGHT, ATOMICS, AND NUCLEONICS, 240 pp.

1967

\$3.95 each, paperbound

Visit our Booth 802.



HOLT, RINEHART AND WINSTON, INC.

383 Madison Avenue, New York, N.Y. 10017



Nominal Size	1/2"	3/4"	1"
Glass O.D.	13mm	20mm	28mm
Glass Length (each end)	3"	3"	3"
Flexpand Length	3"	3"	3"
Part No.	FG50	FG75	FG100
Price each	\$26.00	\$29.00	\$31.00

"FLEXIBLE GLASS"

Flexpand (tm) seamless stainless steel tubing fused directly to Corning's Pyrex (7740) brand glass provides flexibility, safety and convenience in glass laboratory systems; separates the experimental working area from the vibration of pumps, compressors and motors. Any angle "U" turn or compound offset joint may be formed. All sizes may be bent more than 90 degrees. Tubing provides compensation for expansion, contraction and misalignment of fabricated systems. Seals are leak tight by mass spectrometer standards. Tubing is repeatedly bakeable to better than 400°C. Perfect for cryogenic and high vacuum applications.

One glass arm units available on special order. Use part No. above with notation "one glass arm". Deduct \$5.00 each from above price. All sizes currently in stock and available for immediate delivery.

mason-renshaw industries

BOX 445, CARPINTERIA, CALIFORNIA 93013 TELEPHONE 684 2413 AREA CODE 805

PHYSICISTS-SCIENTISTS

KEY PERSONNEL is a National organization devoted exclusively to the selective search for competent careerists among the technical disciplines.

Working closely with clients Coast to Coast, it is our policy to provide a professional service to scientists and engineers, that is ethical, knowledgeable and confidential. Our service is designed to provide YOU with a convenient focal point from which to explore, easily and efficiently, the numerous career opportunities existing anywhere in the U. S.

Our service to you—the individual scientist or engineer—is WITHOUT COST since our search fees are assumed by our organizational clients, who are Industrial, Defense and nonprofit organizations engaged in the advancement of the state-of-the-art.

We are currently searching to fill a broad spectrum of positions from semijunior to General Manager across the entire continent.

If you would like to explore for yourself, our unique approach, write for our confidential summary form or forward a copy of your current résumé as soon as possible:

John F. Wallace Executive Vice President



KEY PERSONNEL CORP.

218 Tower Bldg.

Baltimore, Md. 21202

A Corcoran Brief:

How to select a personnel consultant

Select one who recognizes that the ultimate decision is yours. And one who-knowledgeably, personally, and with intellectual integrity-focuses your attention on situations compatible with your professional and personal objectives.

Select one who can see beyond the obvious and can perhaps suggest objectives you've not considered.

Last, select one, only one.

Here at Corcoran, we serve the BS, MS and PhD degree-holders individually. Nationwide, we work with large and small industrial and research clients on a fee-paid basis. Your call or correspondence is invited.

JOSEPH P. CORCORAN

Personnel Consultants

505E Germantown Pike Lafayette Hill, Pa. 19444 (215) 825-0848

UNIVERSITE DE MONTREAL

Applications are invited on the part of experimental physicists for positions ranging from Assistant Professor to Full Professor in the fields of Plasma Physics, Biophysics and Solid State Physics.

New equipment in the Physics Department includes a 300 Kw DC solenoid for plasma experiments, a 7.5 Mv EN tandem accelerator coupled to a 4 Mv high current injector and a CDC-3100 on-line computer. A CDC-3400 computer is in operation on the campus.

Send résumé to Le Directeur, Département de physique, Université de Montréal, Case postale 6128, Montréal 3, Canada.

Oxford, 1967. Cloth \$4.50, paper \$3.00 Magnets. (Momentum Book No. 16) By Louis W. McKeehan. 152 pp. Van

Nostrand, Princeton, N. J., 1967. Paper

The World of High Pressure. (Momentum Book No. 17) By John W. Stewart. 197 pp. Van Nostrand, Princeton, N. J., 1967. Paper \$1.95

Magnetohydrodynamics: A Fusion of Old and New. (Momentum Book No. 18) By Noel C. Little. 122 pp. Van Nostrand, Princeton, N. J., 1967. Paper

The Winds: The Origins and Behavior of Atmospheric Motion. (Momentum Book No. 19) By George M. Hidy. 174 Van Nostrand, Princeton, N. J., 1967. Paper 1.95

POPULARIZATIONS

The Changeless Order: The Physics of Space, Time and Motion. Arnold Koslow, ed., 328 pp. George Braziller, New York, 1967. \$7.50

The Heart of the Atom: The Structure of the Atomic Nucleus. By Bernard L. Cohen. 107 pp. Doubleday, New York, 1967. \$3.95

The Search for the Robots. By Alfred J. Cote Jr. 243 pp. Basic Books, New York, 1967. \$5.95

Secrets of the Nucleus. (Vistas of Science No. 13) By Joseph S. Levinger, George L. Carr. 128 pp. National Science Teachers Association, Washington, D. C., 1967. Paper \$0.50

MISCELLANEOUS

A New Look at Elementary School Science. By Robert Karplus, Herbert D. Thier. 204 pp. Rand McNally, Chicago, 1967. Paper \$3.50

Applied Science and Technological Progress: A Report to the Committee on Science and Astronautics, US House of Representatives. By The National Academy of Sciences. 434 pp. US Government Printing Office, Washington, D. C., 1967. Paper \$1.50

Proceedings of the Fifth Annual Eastern Theoretical Physics Conference. Conf. proc. (Brown U., Nov. 1966). David Feldman, ed. 248 pp. W. A. Benjamin, New York, 1967. \$6.95

Science and the Mass Media. By Hillier Krieghbaum. 242 pp. New York U. Press, New York, 1967. \$6.95

Reports on Progress in Physics, Vol. 30/1. A. C. Stickland, ed. 373 pp. Institute of Physics and The Physical Society, London, 1967. £5, 15s.

Physics in Canada: Survey and Outlook. By D. C. Rose et al. 385 pp. Science Secretariat, Ottawa, 1967. Paper \$2.50

Electromagnetic Scattering. Conf. proc. (Amherst, Mass., June 1965). Robert L. Rowell, Richard S. Stein, eds. 842 pp. Gordon and Breach, New York, 1967. Ref. ed. \$48.00, prof. ed. \$19.50





Heavy lon Source

1 to 260 amu to 1000 μA

BEAM PROFILE MONITOR . MAGNET POWER SUPPLIES . BETA RAY SPECTROMETERS . HEAVY ION ACCELERATORS . ISOTOPE SEPARATORS

Ion beams from hydrogen to the heaviest masses can now be formed routinely. The Model 910 produces positive ion beams of most elements from hydrogen to the transuranium group, including the gases, alkali metals, alkaline earths, transition metals and rare earths. It operates on the principle of an oscillating electron ion source. Beams are well defined and may be accelerated further for atomic beam studies, surface effects, ion implantation, target preparation, isotope separation and injection into high energy accelerators.

IN USE ON ACCELERATORS, ISOTOPE SEPARATORS • WIDE MASS RANGE • WIDE CURRENT RANGE • READY FOR INSTALLATION Write for Brochures

Physicon Company

P.O. BOX 232 Boston, Massachusetts 02114