

— new 2nd editions of world-known companion volumes . . . —

GREENFIELD'S NEUROPATHOLOGY

The pathologist has scarcely begun to apply the changes brought about by the advent of the electron microscope and of cytochemical and enzyme stains. The extension to human pathology of this new knowledge (e.g., the greater understanding of neurone structure and its changes under experimental conditions) offers an exciting and attractive field in which many advances are likely to be made in the near future. This comprehensive presentation of the knowledge that has been discovered by previously established methods will serve as the necessary basis upon which future information may be constructed, and from which new explorations may grow. Not only will *Greenfield's Neuropathology* assist the laboratory worker in his research; it will also give the neurologist and the psychiatrist the basis for diagnosis and logical treatment that only pathology can supply.

AUTHORS: *W. Blackwood*, Professor of Neuropathology (Institute of Neuropathology), University of London; *W. H. McMenemey*, Pathologist, Maida Vale Hospital for Nervous Diseases, London; *A. Meyer*, Emeritus Professor of Neuropathology, University of London; *R. M. Norman*, Research Consultant Neuropathologist to the South Western Regional Hospital Board; and *Dorothy S. Russell*, Late Director, Bernhard Baron Institute of Pathology, London Hospital.

1963

679 pp., 470 figs.

\$20.00

Russell & Rubinstein: PATHOLOGY OF TUMORS OF THE NERVOUS SYSTEM

Throughout both text and illustrations, the new edition clearly shows the current state of neuropathology; and special attention has been given to the addition of new figures and the improvement of old ones. A section on pituitary adenomas has been added in view of their neurological and neurosurgical importance, and the chapter on tissue culture has been enlarged to reflect new work.

From the reviews of the 1st edition:

"It is recommended without reservation."—*J.A.M.A.*

"After 2 cover-to-cover readings, he [the reviewer] does not believe that its stature can adequately be described by terms less emphatic than 'classic' and 'masterpiece.'"—*Amer. J. Clin. Path.*

By *Dorothy S. Russell*, Late Director, Bernhard Baron Institute of Pathology, London Hospital; Emeritus Professor of Morbid Anatomy, University of London; and *L. J. Rubinstein*, Associate Neuropathologist, Montefiore Hospital, New York City; Associate Professor of Pathology, College of Physicians and Surgeons, Columbia University.

1963

345 pp., 314 figs.

\$13.50



THE WILLIAMS & WILKINS COMPANY

428 E. PRESTON STREET/BALTIMORE, MARYLAND, U.S.A. 21202

Publishers of Books and Periodicals in Medicine and the Allied Sciences.

VIRUSES, NUCLEIC ACIDS, AND CANCER

A Collection of 43 Papers presented at the Seventeenth Annual Symposium on Fundamental Cancer Research, 1963.

Facts, ideas, theories and discussions presented by 78 internationally famous cancer researchers, and converging upon the solution of the human cancer problem, make this single volume a relatively complete reflection of all that is known in the field.

The viral concept of oncogenesis, as applied to human cancer, is still only a working hypothesis because of the many basic and unanswered questions which block access to an ultimate solution. During this symposium, reports on recent advances were given, and partial answers supplied to such queries as

Do viruses cause all tumors and cancers in animals? Are viruses an indispensable factor in tumor development?

What is the chemical composition of tumor viruses, and the structure of oncogenic nucleic acids?

How does the virus development take place?

and others representative of some of the problems upon which all cancer researchers are focusing today.

CONTENTS: Structure of Viruses—9 papers. Replication of Viruses: Biochemistry of Virus-Infected Cells—6 papers. Viral Nucleic Acid: Properties and Modes of Replication—7 papers. Avian Viruses and Neoplasia—5 papers. Bertner Foundation Lecture—Properties of a Virus Isolated from Leukemic Mice, Inducing Various Forms of Leukemia and Lymphomas in Mice and Rats. Viruses and Interferon—4 papers. Biological Aspects of Tumor Induction by Viruses—3 papers. Interrelationships of Viruses: Intracellular and Extracellular Factors in Neoplasia—8 papers. Index.

Published for The University of Texas M. D. Anderson Hospital and Tumor Institute. Edited by *Russell W. Cumley*, Ph.D., University of Texas Medical Center, Houston.

1963

704 pp., 288 figs.

\$16.00



THE WILLIAMS & WILKINS COMPANY
428 E. PRESTON STREET/BALTIMORE, MD., 21202
Publishers of Books and Periodicals in Medicine and the Allied Sciences

INSTRUCTIONS FOR AUTHORS

Manuscripts for *Cancer Research* must represent new and original contributions not previously published and, if accepted, not to be published elsewhere. They must be typed, double-spaced (including references, footnotes, and tables), with ample margins, on bond paper. The original and one clear copy of the entire manuscript, including figures and charts, must be submitted. All pages should be numbered consecutively. Every paper must begin with a concise *summary* of the essential results of the investigation.

Supplements on Cancer Chemotherapy Screening Data. Authors who wish to submit data for publication in these supplements, which appear at least six times a year, are urged to consult the Instructions for the preparation of such material, found on the inside back cover of most of these supplements.

Critical reviews on subjects dealing with cancer and allied fields will be considered for publication. Such reviews should attempt to correlate the various approaches to a problem so as to indicate the trends and emphasize the aspects that require further clarification. Critical analyses of the pertinent issues and expressions of opinions are encouraged.

The title of the paper should be as short as is compatible with a clear indication of the subject matter. The title (with subtitle, if any) must not exceed 150 characters and spaces. Chemical formulas should not be included in the title. The title of the paper, author (or authors), location, and any acknowledgments should appear on separate pages.

Footnotes within the text should be numbered consecutively and should appear on a separate sheet.

Tables should be typed, double-spaced throughout, on separate sheets and should be numbered. Each must have a brief, descriptive title. Tables should be arranged for vertical position on the page. Every column must be supplied with an appropriate heading, and units of measure must be clearly indicated. The same data may be presented in either chart or tabular form, but not in both. Tables should be intelligible without reference to the text.

Illustrations: The preparation of photographs, charts, and graphs is particularly important, and authors are requested to follow carefully the directions given below.

Halftone illustrations (photomicrographs and photographs) are designated *figures* and are printed as plates at the end of each article. Figures in moderate numbers will be accepted if they are of good technical quality and essential for the clarity of the presentation. Figures should be trimmed to show only the essential features; all parts of each figure must be in sharp focus. Only clear, glossy photographs should be submitted. *Mount all photographs*

on white cardboard ($8\frac{1}{2}\times 11$ inches in size), with the edges abutting tightly. The engraver will then draw a thin line between adjoining figures. Place as many together as will make a plate not to exceed $7\frac{1}{2}\times 9\frac{1}{2}$ inches. Figures should be numbered consecutively. Photographs of plates should accompany the second copy of the manuscript. Legends for plate figures should be typed separately, in consecutive order, on standard-sized paper with the heading "Legends for Figures."

Line-cut illustrations (graphs and charts) are designated *charts* and are printed in the text. These should be numbered in consecutive order. Charts should be planned so as to eliminate waste space; they must be ruled off close to the area of the curves, and descriptive matter must not extend beyond the curves. Charts must be so prepared that no letter or figure will be less than 2 mm. high after reduction. The majority of charts can be reduced to a one-column ($3\frac{1}{2}$ -inch) width, but larger ones are permissible when many data are included in one chart. Original line drawings on high-quality white drawing paper or board, blue tracing cloth, or coordinate paper *printed in blue* should be used. Only India ink should be used for drawing or lettering. Photographs of the charts should accompany the second copy of the manuscript. Legends for each chart should be typed separately in consecutive order on standard-sized paper with the heading "Legends for Charts."

The over-all size of mounted charts and plates must not exceed $8\frac{1}{2}\times 11$ inches. When original drawings exceed this size, photographed reductions must be sent.

References must be typed *double-spaced* and should include, in order: author, title, journal abbreviation (*Chemical Abstracts* form), volume number in Arabic numerals, inclusive pages, and year. Book references should give: author, title, pages, edition number, city, publisher, and year. All references should be checked with the original publications and must be *arranged in alphabetical order*. Each number in the references is to refer to only one paper. *Unpublished data and personal communications may not be included in "References" but must be listed as footnotes.* For an example of the correct style, refer to any current issue of *Cancer Research*.

Changes in proof: Any but minor changes from the manuscript which are made in proof will be billed to the author.

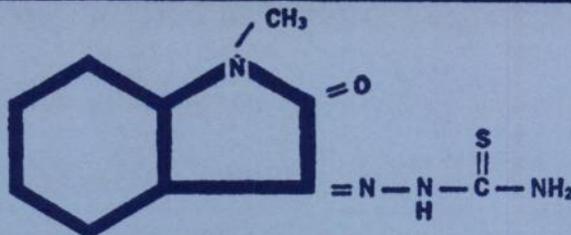
Reprints may be ordered before publication, according to a schedule of prices accompanying the galley proof of the article.

Manuscripts and correspondence related to contributions should be addressed to: Dr. Harold P. Rusch, Editor, *Cancer Research*, McArdle Memorial Laboratory, Madison, Wisconsin 53706.

INFORMATION FOR SUBSCRIBERS

All subscriptions and business inquiries should be addressed to the publishers, The Williams &

Wilkins Co., 428 E. Preston St., Baltimore, Md., U.S.A., 21202.



SIGNIFICANT ADVANCE IN SMALLPOX CONTROL

The first instance of successful prophylaxis of a virus disease by a synthetic chemical agent was reported recently by Bauer et. al. (1) (2).

MIBT N Methyl Isatin Beta Thiosemicarbazone was shown to be very effective protection for smallpox contacts regardless of vaccination status. In contacts who had primary vaccination, MIBT was more effective than revaccination in suppressing contact cases. It was also effective when contact was not detected in time for revaccination to offer protection.

Treatment of contacts began one day after admission as patients. They were observed for 16 days. During this time, only three mild cases of smallpox occurred among 1101 treated patients. Among a control group of 1126 untreated contacts, 78 cases of smallpox and 12 deaths occurred.

MIBT gave better results than were obtained with antivaccinal gamma globulin. And it can be made readily available and administered orally, thus simplifying administration to large groups.

Thompson, et. al. described antiviral activity of Isatin Beta Thiosemicarbazone in mice infected with vaccinia virus (4). Easterbrook reported inhibition of infectious virus with IBT (1962) which resulted in immediate cessation of virus maturation and production. He suggested that IBT interfered with the process of maturation (5).

**PHONE COLLECT, 216-662-0212,
NUTRITIONAL BIOCHEMICALS CORP.
GUARANTEES SHIPMENT ON ANY OF
OUR MORE THAN 3,000 RESEARCH
BIOCHEMICALS WITHIN 60 MINUTES
OF YOUR CALL. ONE DAY DELIVERY
ANYWHERE IN CONTINENTAL U. S. A.**

PRICE SCHEDULES:

N Methyl Isatin Beta Thiosemicarbazone	Isatin Beta Thiosemicarbazone
100 grams . gm. \$1.80	25 grams . . gm. \$1.50
25 grams . . gm. 1.95	5 grams . . gm. 1.90
5 grams . . gm. 2.00	1 gram . . gm. 2.25
1 gram . . gm. 2.35	

References: (1) D. J. Bauer, L. St. Vincent, C. H. Kempe, A. W. Downie, Lancet, II, 494, (1963). (2) Lancet, II, 501, (1963). (3) C. H. Kempe, C. Bowles, G. Meiklejohn, T. O. Berge, L. St. Vincent, B. V. Sundara, Babu, S. Govindarajan, N. R. Ratnakannan, A. W. Downie, V. R. Murthy, Bull. Wld. Hlth. Org. (1961) 25, 41. (4) R. L. Thompson, S. A. Minton, J. E. Officer, G. H. Hitchings, J. Immunol (1953) 70, 225. (5) K. B. Easterbrook, Virology, 17, 245, (1962).

THE LITERATURE REFERENCES SHOULD NOT BE INTERPRETED AS EITHER AN ENDORSEMENT OR DISAPPROVAL OF THE BIOCHEMICAL BY THE CITED INVESTIGATOR.

NUTRITIONAL BIOCHEMICALS CORPORATION



21010 Miles Avenue • Cleveland, Ohio 44128

Send for free August 1964 catalog containing more than 3,000 items. Fill out coupon and mail today for your copy. CAN

Name _____

Organization _____

Address _____

City _____

State _____ Zip No. _____