

science news

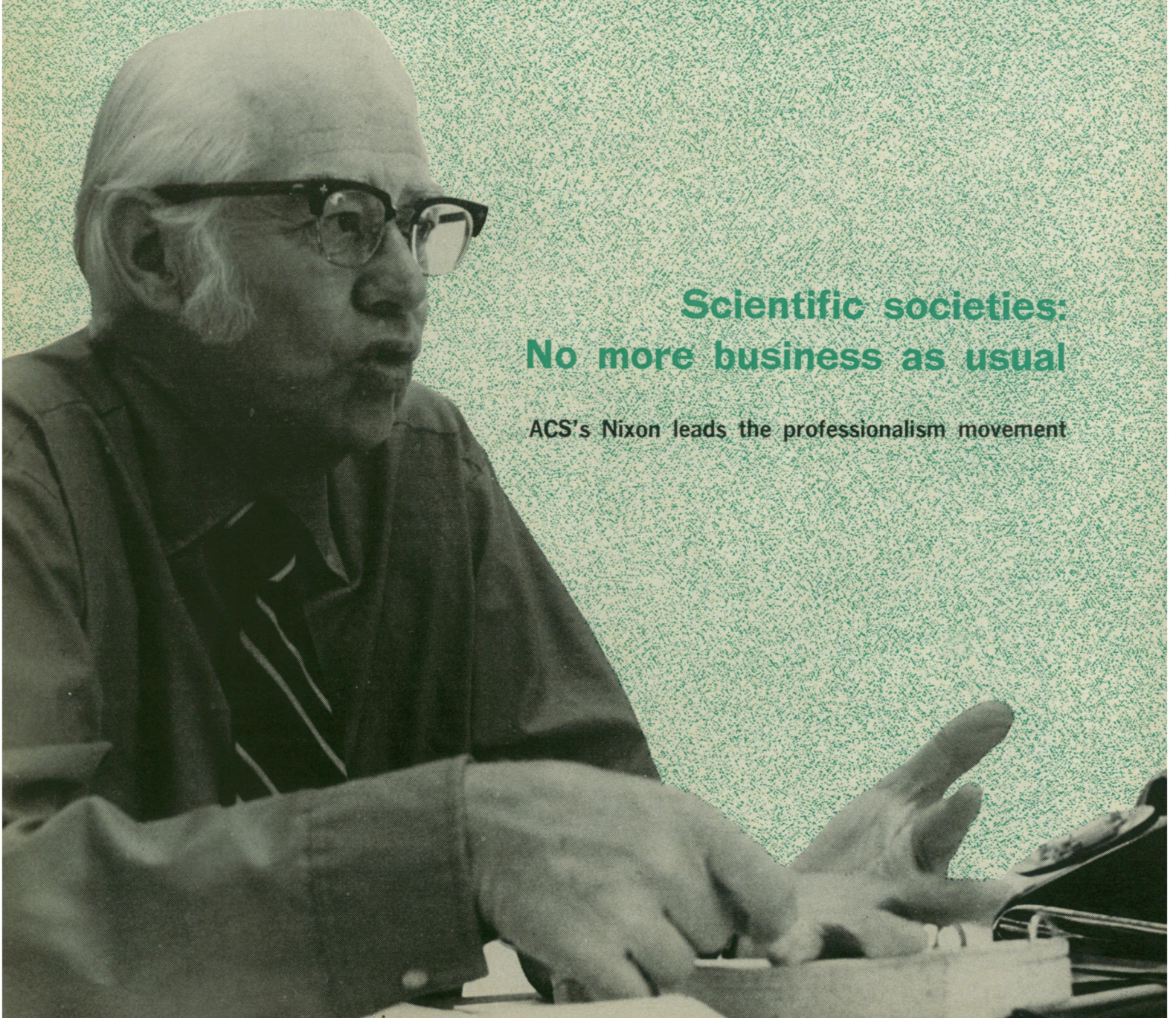
Fiftieth Anniversary 1922-1972

May 13, 1972
vol. 101, no. 20, 305-320

Science and the Great Lakes

Director for cancer program

Unitons and the universe



Scientific societies: No more business as usual

ACS's Nixon leads the professionalism movement

Share the Thrills of Exploring Outer Space!



All DYNASCOPES, including this superb RV-6, 6-inch available on easy terms!

Now it's easy to join the thousands of serious amateurs who have discovered the excitement of exploring our mysterious universe. Your enjoyment begins right from the start, yet the challenges and rewards go on for years! And it's a hobby that can be shared at modest cost.

Choose from a Full Range Of DYNASCOPES® 4" Starting at \$49.95

Picking a telescope to fit your needs and your pocketbook is simple when you select a DYNASCOPE — the same instruments used by more than 150 schools, colleges and observatories. Prices begin as low as \$49.95, and your satisfaction is guaranteed by a full-refund warranty.

FASCINATING GUIDE YOURS FREE!

Read these valuable facts before buying any telescope. Mail coupon or postcard for your complimentary copy of this helpful guide.



Criterion Manufacturing Co., 331 Church St., Hartford, Conn. 06101

© TM Registered U. S. Pat. Office

CRITERION MANUFACTURING CO., Dept. NL-95
331 Church St., Hartford, Conn. 06101

Please send your free Telescope Guide.

Name _____

Address _____

City _____ State _____



CHARLES GOREN
hails it as
"The greatest
bridge-teaching
breakthrough
I have ever seen!"

In just a few hours, these odd-looking cards with the holes in them can have you playing better than 90% of the bridge players in the U.S. (And if you're only a beginner, you can play real bridge in 15 minutes.)

Play bridge like an expert. It won't cost you hundreds of dollars for lessons, won't take long weeks of study. All it takes is BRIDGEVERYONE. This remarkable new bridge-teaching method **guarantees** you will learn to bid right the **FIRST** time you pick up your **FIRST** hand, dealt to you by BRIDGEVERYONE's Automatic Dealer. At the press of a button, this astounding little machine deals out a choice of 160 pre-programmed hands involving 40 different complete games, over 1,000 bidding situations and 500 play situations. You **must** make each bid correctly, play each card correctly. If not, BRIDGEVERYONE's exclusive Programmed Guide instantly tells you **what** to play and **why**.

FOR VETERANS AND NEW PLAYERS

Here is a mistake-proof method tailor-made for veteran players as well as novices. You can use it alone or with as many as three other players. It is the **only** system we know of that teaches cor-

rect offensive and defensive play simultaneously. The **only** system that offers beginners the opportunity to play real bridge with real cards after only 15 minutes. The **only** system that actually works to improve your card-playing memory... which, after all, is the key to success in any card game.

Try it just once...you'll sing its praises as enthusiastically as Charles Goren. What's more you won't risk a single penny. BRIDGEVERYONE must make you more proficient than 90% of the players around—in **just 30 days**—or simply return it for your money back.

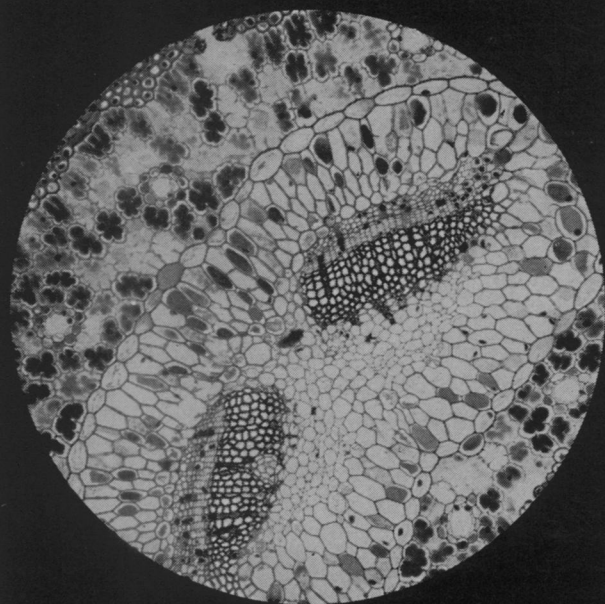
Order NO. 41620: BRIDGEVERYONE set(s) at \$29.95 plus \$1.00 postage and handling.

N. Y. State residents add appropriate sales tax.

Send check or money order, or charge your credit card account. Please give account name, and your number. Free gift catalog on request.


 finer things by mail from **The GALLERY** Dept. 4569, Amsterdam, N. Y. 12010

Bausch & Lomb Full Image Flat Field Teaching Microscopes Expedite Understanding



Students in general biology, zoology, botany, bacteriology *need* Bausch & Lomb full performance educational microscopes. Don't give them instruments that show only a third of the field in focus. Give them Bausch & Lomb full image flat fields that show them the whole area sharp and clear from edge to edge. This kind of optical performance teamed up with mechanical excellence speeds understanding, improves retention.

Get the full facts in our Educational Microscope Catalog, 31-2172, along with our free demonstration offer. Write today.

BAUSCH & LOMB 

SCIENTIFIC INSTRUMENT DIVISION

43505 Bausch Street, Rochester, N.Y. 14602

science news[®]

Fiftieth Anniversary 1922-1972

A Science Service Publication
Vol. 101/May 13, 1972/20
Incorporating Science News Letter

Watson Davis, 1896-1967
Publisher: E. G. Sherburne Jr.

Editor: Kendrick Frazier

DEPARTMENTS

Aerospace: Everly Driscoll

Behavioral Sciences: Robert J. Trotter

Earth Sciences: Louise A. Purrett

Environmental Sciences: Richard H. Gilluly

Medical Sciences: Joan Lynn Arehart

Physical Sciences: Dietrick E. Thomsen

Copy Editor: Nadine Clement

Production: E. Cherry Doyle

Production Assistant: Esther Gilgoff

Books: Margit Friedrich

Advertising: Scherago Associates, Inc.

Circulation Manager: Lawrence L. Cope

Copyright © 1972 by Science Service, Inc.,
1719 N Street, N.W., Washington, D.C. 20036.
Republication of any portion of SCIENCE NEWS
is strictly prohibited.

Subscription Department
231 West Center Street
Marion, Ohio 43302

Subscription rate: 1 yr., \$7.50; 2 yrs., \$13.50;
3 yrs., \$19.50. \$1.00 per year for foreign post-
age. Change of address: Four to six weeks'
notice is required. Please state exactly how
magazine is to be addressed. Include zip codes.

Printed in U.S.A. Second class postage paid at
Washington, D.C. Established as Science News
Letter ® in mimeograph form March 13, 1922.
Title registered as trademark U.S. and Cana-
dian Patent Offices.

Published every Saturday by SCIENCE SER-
VICE, Inc., 1719 N St., N.W., Washington, D.C.
20036. (202-785-2255). Cable: SCIENSERV.

ADVERTISING STAFF
Director: EARL J. SCHERAGO

Advertising Sales Manager:
RICHARD L. CHARLES

Sales Director:
FRED W. DIEFFENBACH

Production Manager:
BONNIE F. SEMEL

Address all advertising to Scherago Associates
11 W. 42nd St., New York, N.Y. 10036.

Sales: New York, N.Y. 10036: Herbert L. Burk-
lund, 11 W. 42 St. (212-PE-6-1858); Scotch
Plains, N.J. 07076: C. Richard Callis, 12 Unami
Lane (201-889-4873); Medfield, Mass. 02052:
Richard M. Ezequille, 4 Rolling Lane (617-444-
1439); Chicago Ill. 60611: John P. Cahill, Room
2107, 919 N. Michigan Ave. (312-DE-7-4973);
Beverly Hills, Calif. 90211: Winn Nance, 111 N
La Cienega Blvd. (213-657-2772).

OF THE WEEK

309 Rauscher to head cancer program

310 Nuclear wastes at Savannah plant
Employment troubles for chemists

311 Rocks, radioactivity and the moon
Treating disturbed monkeys chemically

312 'Uniton': Particle of gravitational charge?
Warm temperatures above Saturn

318 **Behavioral Sciences:** New treatment for depressive disorders; Mental
illness as social barometer; LSD therapy for heroin addiction; Muscle
abnormalities and psychotic behavior; Treatment program for child
abusers

IN SCIENCE FIELDS

313 **Scientific professionalism:** An interview with Alan C. Nixon

316 **Environment:** A year for science on the Great Lakes

308 Letters to the Editor

319 Books of the Week



Alan C. Nixon, president-elect of the American Chemical Society, hopes to add to the ACS's traditional concern with scientific and educational matters a strong commitment to protect the professional rights and status of chemists. Other scientific societies, encountering similar pressures, are watching the situation closely. Nixon discusses his aims in an interview with Science News. See p. 313. (Photo: Chemical and Engineering News)

SCIENCE SERVICE

Institution for the Popularization of Science founded 1921; a nonprofit corporation

Board of Trustees—Nominated by the AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE: **Bowen C. Dees**, The Franklin Institute; **Athelstan Spilhaus**, Woodrow Wilson International Center for Scholars. Nominated by the NATIONAL ACADEMY OF SCIENCES: **Gerald F. Tape**, Associated Universities; **Allen V. Astin**, National Bureau of Standards; **Frederick Seitz**, Rockefeller University. Nominated by the NATIONAL RESEARCH COUNCIL: **Gerald Holton**, Harvard University; **Jacob Rabinow**, National Bureau of Standards; **Glenn T. Seaborg** (President), University of California at Berkeley. Nominated by the JOURNALISTIC PROFESSION: **Norman Cousins**, "World"; **Julius Duscha**, Washington Journalism Center; **O. W. Riegel** (Secretary), Washington and Lee University. Nominated by the E. W. SCRIPPS TRUST: **Milton Harris** (Treasurer), Washington, D.C.; **Edward W. Scripps II** (Vice President and Chairman of the Executive Committee), Edward W. Scripps Trust; **John Troan**, Pittsburgh Press.

Director: E. G. Sherburne Jr.; Assistant Director: Dorothy Schriver; Business Manager: Donald R. Harless; Staff: Youth Division: Max C. McLean; Things of Science: Ruby Yoshioka.

Why Were Bankers Warned That This "New Book Could Upset the Savings Applecart"*

How to Make Up to 13½% or More on Your Savings— All Fully Insured

There are many things banks don't like to talk about. They don't like to talk about the fact that they do, indeed, pay interest rates of 8%, 10%, 13½%, and often more, to a select group of knowledgeable depositors!

What's the difference between these men and women and you? Simply this—that they know certain "inside" techniques of depositing and withdrawing their savings (all perfectly legal, incidentally) that you don't! And—therefore they earn two to three times as much interest on those savings as you do! Like this...

Would It Be Worth An Extra Ten Minutes A Month To You—To Bring Home Two Or Three Times As Many Dollars From Your Savings As You're Getting Today?

The procedure is simple. But to put it to work for you, tomorrow, you have to know these few "smart-money" facts:

1. Most thrifty people in this country today are actually *losing money* on their savings. The interest they get from a regular bank account is actually *far less* than the lost purchasing power that inflation cuts right out of their savings.

This is one of the great social tragedies of our time. It means that if you are thrifty and prudent in this country today, you are penalized. Either you are driven to speculate in the stock market, where you can be wiped out overnight. Or you try to secure safety for your hard-earned capital in a bank—and watch inflation turn your dreams of early retirement and financial independence into dust!

2. But you just don't have to accept these two tragic choices any longer! Now there is a Third Way to invest your money, that gives you the absolute safety you want, plus huge guaranteed returns that you may not even have dreamed possible before.

Read What The Banking Industry Itself Says About This Startling Volume! NEW BOOK COULD UPSET THE SAVINGS APPLCART

TIGHT MONEY, Regulation Q, and the much-touted Age of the Consumer, are key ingredients in a flammable mixture about to be ignited by a book which could explode in the face of the commercial banking industry this year. This says:

"The millions of people who have saved a few dollars in the form of savings accounts and insurance have been prevented from gaining any profit from their investment—indeed they have been forced to accept real losses—by what amounts to government agency fiat. These depositors have contributed more, perhaps, to the growth of our economy than any other group, and it is unjust that controls apply only to interest rates to depositors, while there are no controls over the inflationary wage and price increases. Conditions permitting this 20 years of discrimination should be changed."

I am quoting from a book, titled, "Don't Bank On It! How To Make Up to 13½ percent and More on Your Savings—All Fully Insured."

The book is dedicated "to the members of the median income group, those truly forgotten men whose savings deposits make banking, as we know it, possible."

"Don't Bank On It" may be coming out at an auspicious time, as the general public is becoming more aware of high interest rates, and, thanks to truth in lending, is being conditioned to look at rates of 12 or 18 percent as low. No doubt he'll soon recognize that 4 or 5 percent is peanuts.

*Bank Marketing Management, Feb., 1970.

About the Authors

Martin J. Meyer is president of the National Depositors Cooperative Association. He also serves as Vice President and Secretary of Intercept Tele-Communications, Inc., a new international cable and telegraphic interception and forwarding organization. Mr. Meyer has written numerous magazine articles on banking, thrift, and inflation.

Dr. Joseph M. McDaniel, Jr., recently elected President of the World Health Organization, was Secretary of the Ford Foundation from 1953 until his retirement in 1967 and Dean of the School of Commerce at Northwestern University. His distinguished career includes government service with the Economic Cooperative Association.

3. It is based on one simple fact: That most depositors are *completely passive* about where and how they save their money! They never take the one or two hours that are necessary to learn the "inside workings" of the banking system. Therefore, they never even hear about the "super-savings-accounts" that can yield them *far more* than ordinary interest on their money.

And, above all, they have never heard about the simple, ingenious techniques of "Loophole Depositing"! Active, precisely-timed deposits and withdrawals that take an average of ten minutes of your time per month—and bring you back 8%... 13½%... even 19% on every dollar, with exactly the same total safety that you get on ordinary bank accounts today!

You Do Only What The Banks And Savings And Loan Associations Themselves OPENLY PERMIT. Except Now— YOU DO IT A LITTLE SMARTER!

At this moment, in this entire country, out of the over one hundred million people who have savings accounts, *only about forty thousand of them, use these techniques.* They are still brand-new—virtually-unknown. *Only now has a book been published that reveals them to every man and woman who is willing to risk an 8¢ stamp to learn them!*

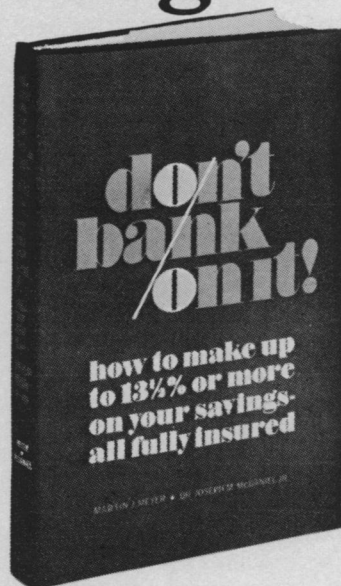
The time required to read this book from cover to cover is approximately one weekend. Or, if you wish to skip the banking background at its beginning, it will take you about an hour or two to learn these "Active Depositing" techniques themselves. *And once you learn them, from that moment on, you will be able to exploit every legal loophole in the entire banking system, including:*

How to get more than 8% interest per year as an absolute minimum, with hardly any more work than filling out your deposit slip in a different way. And then go from there all the way up to as much as 19% to 25% in special situations, for limited periods!

How to protect yourself against the possibility of interest rates dropping in the future. So you're guaranteed the high interest rates available to you today, even if tomorrow your friends find their return on their savings cut in half!

How to make banks pay interest to you on money you don't really even have on deposit—on non-existent money—on money you have already spent! (And the bank loves you for it. Because, no matter how much you make, they make more! Page 143 shows you how.)

Yes, how you can even earn high interest on your credit card! So that you are now earning interest on other people's money—and spending it at exactly the same time!



Special Warning Section: Two common mistakes, that unknowingly trap thousands of depositors every year, that could completely destroy your savings!

And how to defer income tax on the interest you get. Two plans that offer marvelous tax-sheltered advantages.

And—let us repeat once again—all completely protected by United States Government Insuring Agencies! With no service charges—no minimum balances—no legal technicalities! Ready to go to work right now for the investor with \$500—or \$500,000!

Prove Every Penny Of It Yourself— Entirely At Our Risk!

The top money men in this country—the very banks themselves—use these techniques! Why shouldn't you? All you risk to learn them all is an 8¢ stamp with the Coupon below! Why not send it in—and start your savings earning double and triple interest—8% to 13½% or more—TODAY!

JAY NORRIS CORP.

25 W. Merrick Rd., Dept.

Freeport, N.Y. 11520

MAIL NO RISK COUPON TODAY!

JAY NORRIS CORP. Dept. JB-65
25 W. Merrick Rd., Freeport, N.Y. 11520

Please rush me: _____ (quantity) copy(ies) of DON'T BANK ON IT. I understand the book is mine for \$8.98 complete. In addition, I understand that I may examine this book for a full 30 days entirely at your risk. If at the end of that time, I am not satisfied, I will simply return the book to you for every cent of my money back.

SAVE! Order TWO for \$16.00 complete. Makes an ideal gift!

Enclosed is check or money order for total of \$_____
New York residents add sales tax.

Name (print) _____

Address _____

City _____

State _____ Zip _____

© Jay Norris Corp., 1972.