"SCIENCE NEWS YEARBOOK 1969/1970...

an eye-opening retrospective look at the year just past in science...you may very well wonder how you ever got along without such an in-depth and comprehensive volume....

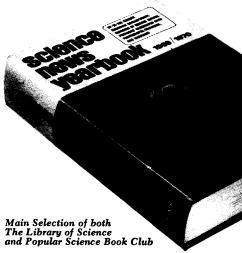
"Until now information on the latest scientific developments quickly passed into a scientific limbo. . . . The editors of Science News decided to correct this long-standing deficiency. SCIENCE NEWS YEARBOOK 1969/1970 is the first of a projected series of annual volumes which will provide a comprehensive report on the current year's developments in science. . . . Yet it is more than a reference work; I suggest that you read it also for the sense of wonder it communicates about the here and now of science, for the coherence that it gives to science's many discoveries and conclusions, and for its glimpses of the onrushing future that presses so insistently upon us."

-ROBERT F. SCOTT, The Library of Science

From heart transplants to the Christmas Eve trip around the moon, here in one convenient book is all the latest information in every area of scientific endeavor during 1968, a highly significant year in science. Prepared by Science Service, the only national organization dedicated to improving the public understanding of science, this profusely illustrated record is based on material originally published in Science News and guided through publication by an Editorial Advisory Board of distinguished scientists. The book also includes major awards and prizes for the year and a 20-page index. SCIENCE NEWS YEARBOOK, this year and in years to come, will not only serve as an invaluable reference for students, teachers, and scholars, but will fascinate readers of all ages.

SCIENCE NEWS YEARBOOK 1969/1970

Compiled and edited by Science Service Introduction by Lee A. DuBridge, Science Adviser to President Nixon



Contents

BIOMEDICINE

Transplants: The Surgical Revolution. Immunology. The Living Cell. Genetics. Pharmacology. Clinical Medicine.

SPACE

Man in Space. Unmanned Exploration. Applications and Technology. Space Programs Abroad. Law on the Space Frontier. Transition.

ASTRONOMY

Galactic and Extragalactic. Cosmology. Solar System. New Observation Opportunities.

PHYSICS AND CHEMISTRY

Particle Physics. Nuclear Physics: Ultraheavy Elements. Solid-state Physics. Plasma Physics: Control of Fusion. Lasers. Chemistry.

EARTH

The Solid Active Earth. Volcanism. Continental Drift. Oceanography. Water and Other Resources. Meteorology.

ENGINEERING AND TECHNOLOGY

Construction and Planning. Civil Engineering. Computers. Communications. Transportation. Engineering Research. Power Production.

ENVIRONMENT AND ECOLOGY Pollution. Ecology and Conservation. Agriculture. Herbicides and Pesticides. Bees, Hornets and Moths. Animal Husbandry. Food Production.

BEHAVIORAL AND SOCIAL SCIENCES

Neurophysiology. Schizophrenia and Depression. Institutional Mental-Health Therapy. Animal Behavior: The Great Apes. Culture and Human Behavior. Testing, Learning and Creativity. Sociology. Archaeology. Anthropology.

SCIENCE POLICY

Research and Manpower. Reorganizing the Effort. Environmental Quality. A Loss of Momentum.

At your bookstore or mail to: CHARLES SCRIBNER'S SONS 597 Fifth Ave., N.Y., N.Y. 10017

Please send me_____copies of the SCIENCE NEWS YEARBOOK 1969/1970 at \$9.95 each.

Street

City _____

State____Zip___

Please add city sales tax where necessary.

Circle No. 30 on Reader's Service Card

(letters from p. 344)

than the reverse. Interested readers are referred to Hospital Practice V. 4: 37-41, February 1969, and American Journal of Epidemiology V. 89:547-554, May 1969.

J. J. Tumilowicz, Ph.D. Cherry Hill, N.J.

A contribution

I found your article entitled "Pinning Down the Weed" (SN: 9/27, p. 263) interesting reading. Even though I am working in that area, I learned a good deal about the efforts of others and the legislative aspects.

You have certainly made a good pitch for basic research. I hope some of the budget-minded people in Washington will get to see it.

Sumner Burstein, Ph.D. The Worcester Foundation for Experimental Biology Shrewsbury, Mass.

Just the facts

In his article about the Stanley Steamer (SN: 9/20, p. 247), Edward Gross used the following expression: "President Nixon's August promise of Federal aid for the development of unconventional car engines."

Webster's Dictionary lists August as the 8th month of the Georgian calendar. The word "august" means "stateliness," and the phrase should consist of the following words: "President Nixon's august August promise. . . ."

Kenneth Lloyd Larson Los Angeles, Calif.

Address communications to Editor, Science News, 1719 N Street, N.W. Washington, D. C. 20036

STATEMENT OF OWNE MANAGEMENT AND CIRC (Att of Ottober 25, 1992; States 4109, Talle	Publisher: File to form with your pa Postmanner: Comp one page 2	o copies of this secusiter. siete verification	form Appeared, Sudget Bosser No. 44-8021	
OCTOBER 6, 1969	MON	E NEWS		
VERKLY				
1719 N STREET, N. W WAS	HINGTON, I), C. 20036		
1719 N STREET, N. W WAS	nces de see russisee	S (Not printery)		
NAMES AND ADDRESSES OF PUBLISHER, EDITOR, AND	MANAGING EDITOR			
B. G. SHERBURNE, JR 3110	HAWTHORNE	ST., N. W W	ASH., D.	2. 20008
WARREN KORNBERG - 11019 KEN	ILWORTH AV	B GARRETT PA	RK, MD.	
CARL BEHRENS - 1820 - 37th	ST., N. V.	- WASHINGTON,	D. C. 20	0007
7. OWNER (If owned by a terporation, its man draws of itsekbelders owning or helding 1 perce addresses of the individual sowners must be given well as that of each individual must be given.)	e and address me at or more of total If owned by a	est be stated and also immed amount of stock. If not so partnership or other unincorp	liately thereund ened by a corpo practed firm, its	er the names and ad- ration, the names and name and address, as
NAME		ASOM		
SCIENCE SERVICE, INC.	1719 N S	T., N.V VASH	INGTON,	0.C. 20036
B. KNOWN BONDHOLDERS, MORTGAGES, AND O' OF BONDS, MORTGAGES OR OTHER SECURITIES (If sh		m)		ORE OF TOTAL AMOUNT
NONB		ACCRESS .		
2013				
FOR COMPLETION BY NONPEORT ORGANIZATIONS The purpose, function, and neeprefit status of this generative and the exempt status for Federal income purposes.		(Ched out)		stal Manual) banged, publisher mu it explanation of chang this statement.)
9. EXTENT AND NATURE OF ORCULATION		AVIENCE NO. COPIES EACH ISSUE QUEING PRECEDING 12 MONTHS	SSUE PUBLISH	HERE OF COMES OF SHIDLE HED HEAREST TO FEING DATE
A. TOTAL NO. COPES PENTED (Not Press Ree)		117,642	121	,028
 PAID CIECULATION SALES THROUGH DEALERS AND CARRIERS, STREET VENDORS AND COUNTRY SALES 		35		35
2. MAIL SUBSCRIPTIONS		112,758	115	358
TOTAL PAID CIRCULATION		112, 795	115,	393
D. FREE DISTRIBUTION (Including complex) BY MAIL, CARRES OR OTHER MEANS		1,950	1,	635
L TOTAL DISTRIBUTION (Sum of C and D)		114,723	117,	028
OWICE USE, LEFT-OVER, UNACCOUNTED, SPOULD AFTER PRINTING		2,919	4,	,000
5. 10th). (Sour of E & F-should equal net press must shown in A)		117,642	121,	
I certify that the statements made by me above and complete.	are correct	(Semple 10)		'L''',

science news, vol. 96