

15¢

\$5.50 A YEAR

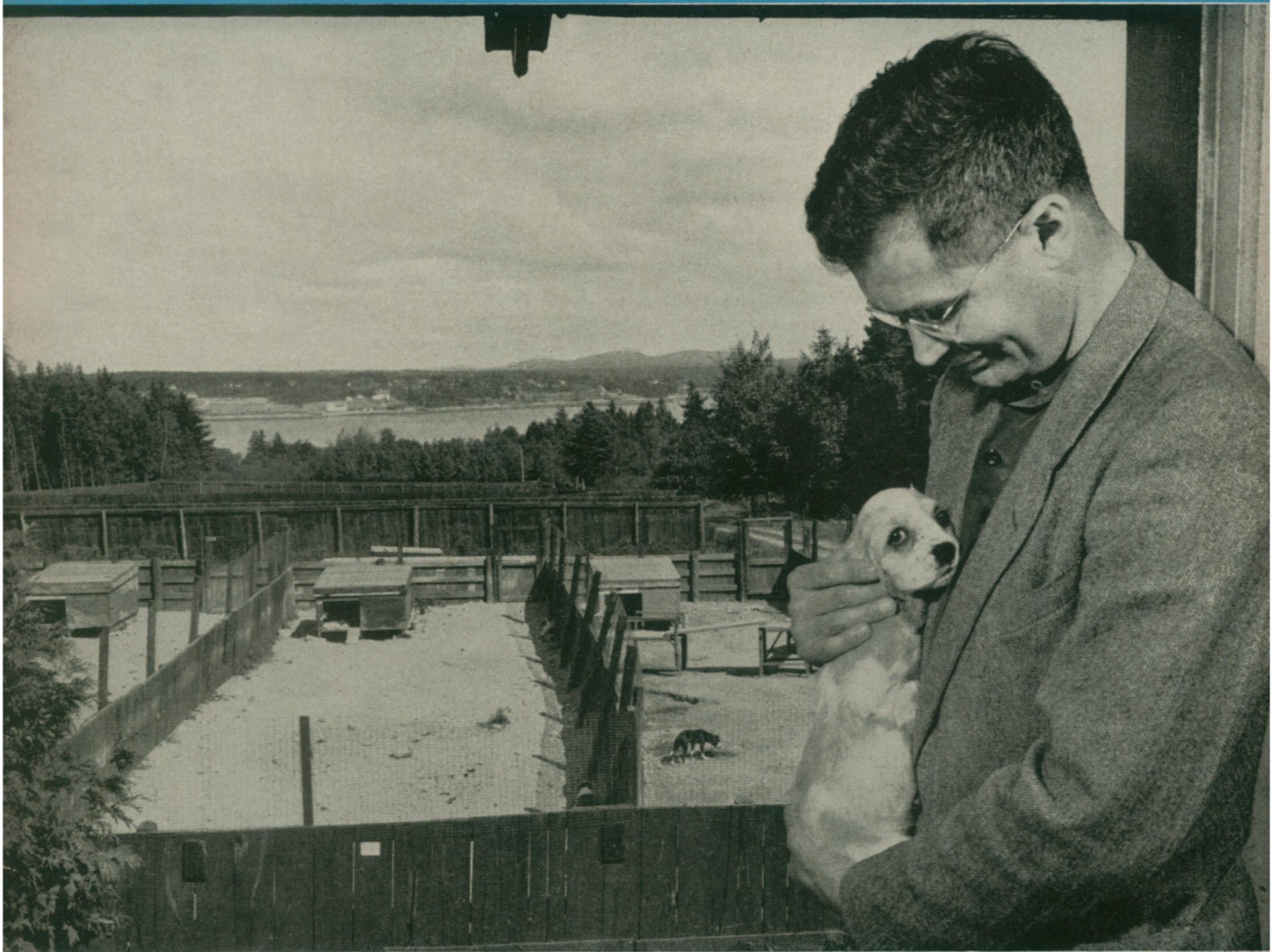
October 17, 1953

VOL. 64, NO. 16 PAGES 241-256

SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



Nursery for Puppies

See Page 250

A SCIENCE SERVICE PUBLICATION

How Pathfinder Magazine says: **You CAN DISCOVER THE SECRET OF LOW-COST TRAVEL**

from an article in the bi-weekly news magazine, THE PATHFINDER.

Dream trips you can afford: **ROUND THE WORLD FOR \$498**

THE LITTLE Tyrhennia Line steamer *Olbia* takes a couple of days to butt through the Mediterranean, from Genoa via Leghorn to brigand-riddled Corsica. If you're aboard, don't stay up late watching the wild mountain dances of Ligurian peasants on the steerage deck. For you must be on deck at dawn—while you pass the lone island of Capraia, with salt-brown Elba to the south—to watch for the high Corsican peaks to show above the horizon.

At \$6.50 (including five full meals) the *Olbia's* voyage is a fair example of dream trips you can afford. And there are others—colorful journeys to exotic lands that often cost little more than your vacation at home. Trade your usual beach for a houseboat in the Vale of Kashmir, or a cruise among the lesser Caribbean islands by native trading schooner.

You can travel clear around the world—to South Seas coral isles and the misty lakes of New Zealand, to Australia and the plains of Africa, to Europe's leisurely antiquity—for just \$498 in fares. That long steamer jaunt can be duplicated in ten days by plane for \$1,700, but where's the fun?

Last year, 52 million Americans spent a record of \$12 billion on vacations. Many went on organized cruises at prices from \$125 to \$25,000. But some traveled off the tourist track, got cheaper and more glamorous vacations.

JUST REMEMBER

- • *Bargain paradises get that way because they haven't been discovered by tourist mobs. They're harder to find and to reach—but more rewarding.*
- • *Chromed ocean liners and international hotels are America transplanted. For fun at budget prices, go by freighter and stay at pensions.*
- • *Make your longest hop from Europe, not directly from the U. S. Currency differentials and lower European rates can save up to 50%.*
- • *Don't go unless you're ready to plan well ahead and to shop for travel bargains.*

CARIBBEAN There are still undiscovered Edens at America's back door. Tobago, the Robinson Crusoe island that rivals Tahiti, where living is so cheap the Island's chief official gets only \$240 a month. Or, Grenada, which, as a native described it: "Dis islan', suh, is t'ing Gahd mek from rainbo'." There, for \$12 a week, you can rent a 3-bedroom house with its own private beach. Many of the best spots can be reached only by trading schooner. Go down to the waterfront at Grenada or elsewhere and bargain with dusky skippers to make your own price—keep this up and cruise all the lesser islands of this jeweled chain.

Here's a sampling of dream trips

Round the World. Every 2 months a Shaw Savill vessel leaves London for Curacao, Panama, and New Zealand. Cross the Pacific, change at Wellington for another SSL ship going west via Australia and South Africa back to England. Minimum fare about \$498—but the trip is usually booked up 15 months in advance. (Reach London for about \$175 from New York.) Other round the world trips from the U. S. as low as \$250-\$300 a month via deluxe freighters.

India. Minimum fare from New York to Ceylon, India, or Malaya is about \$350. Transshipping in England, you can make the trip by luxury liner (tourist class) for \$319. Go to the lotus-covered mountain lakes of Kashmir, where a furnished houseboat with four turbaned servants rents for \$70 a month. Total costs for a couple run around \$175 a month—in the most beautiful spot on earth.

South Seas. You can still live the life of a Tahitian beachcomber—but not in Tahiti, which has found out about the Yankee dollar. Instead, drowse on brilliant Sigatoka Beach at Suva or watch Pacific combers crash on reef-girt Norfolk or Lord Howe Islands. (You can reach the South Seas by freighter from the U. S.)

Africa. Perhaps the biggest travel bargain today is a 70-day luxury cruise around the Dark Continent, calling at a score of colorful ports like Dar-es-Salaam, for \$660, round trip from London. (Combine this with a low cost tour of England!)

Mediterranean. A two-week cruise to Malta, Naples, Casablanca, and Lisbon starts as low as \$92, round trip from London. But try a longer stay—in the lush valleys of Mount Olympus on Cyprus, where a couple can live comfortably for \$1,400 a year; on Aegean islands that hide remnants of a 5,000-year-old civilization among olive and cork groves; or with the fisherfolk of rocky Sardinia, where hotel rates are 24c a day or \$1.12 with three good meals.

Atlantic Islands. Green cones standing out of the sparkling waters of the South Atlantic—these are the Azores and the Canaries. Tropical flowers, sandy beaches, and the charm of old Spain are combined here—with rents of about \$20 a month, groceries for a couple at \$10 a week and servants \$5 a month each.

The vagabond voyager with a fistful of dreams can get aids to planning from these 2 guides:

BARGAIN PARADISES OF THE WORLD

This is a book on how to double what your money can buy. For that is what spending a few weeks or months, or even retiring, in the world's Bargain Paradises amounts to.

Throughout, you learn where to spend a while in the West Indies, Central and South America, the healthful islands of the South Seas, the wonderlands of New Zealand, the Balearic Islands, the Canaries, Madeira, etc.

You read about "Lands of Eternal Springtime," "Californias Abroad," "Islands in the Wind," "Four Modern 'Shangri-Las'," about mountain hideaways, tropical islands as colorful as Tahiti but nearer home, about modern cities where you can live for less, about quiet country lanes and surf-washed coastal resorts.

About 100 photos, 4 maps. Price \$1.50

TRAVEL ROUTES AROUND THE WORLD

With this book you can stop saying that travel is too expensive. Passenger-carrying freighters do offer you a way to see the world for as little as you'd spend at a resort. And what accommodations you get—large rooms with beds (not bunks), probably a private bath, lots of good food, plenty of relaxation as your ship speeds from port to port.

Trips to Rio and Buenos Aires, to the West Indies, between California and New York, out to Hawaii—trips to almost everywhere—are within your means.

There are round-the-world voyages and shorter trips too. Fast, uncrowded voyages to England, France, the Mediterranean; two- or three-week vacations to the West Indies or down the Pacific Coast.

This book names the lines, tells where they go, how much they charge, briefly describes accommodations. It includes practically every passenger-carrying service starting from or going to New York, Canada, New Orleans, the Pacific Coast, England, France, Scandinavia, the Mediterranean, Africa, the Near East, the Indies, Australia, the South Seas, Japan, Hawaii, etc. It's yours for \$1.00.

To get these books, fill in coupon below:

To **HARIAN PUBLICATIONS**
35 Adams Boulevard
Greenlawn (Long Island), New York

I have enclosed \$..... (cash, check, or money order). Please send me the books checked below:

- BARGAIN PARADISES OF THE WORLD, \$1.50**
- TRAVEL ROUTES AROUND THE WORLD, \$1.00**
- Special offer: both books above (\$2.50 value) for \$2.00.**

You will refund my money if I am not satisfied.

Print name.....

Address.....

City & State.....

The Knack of Using Your Subconscious Mind

It can solve your most puzzling problems, bring you more good ideas, make you a more creative person — all while your conscious mind is asleep or at play

SUCH great men as Darwin, Harvey, Edison, Ford, and Westinghouse have stated that some of their best ideas came from their subconscious mind while their conscious mind was resting or otherwise engaged.

A well-known novelist says, "I get my best ideas for writing when I'm farming; my best farm ideas when I'm writing."

Professor Hilprecht, of the University of Pennsylvania, worked himself nearly to exhaustion trying to decipher the inscriptions on two ancient Assyrian rings. No success. Then he decided to put it out of his conscious mind and let his subconscious mind do the work. The entire solution came to him one morning like a bolt out of the blue!

Do You Really USE the Most Powerful Half of Your Mind?

Yes, many successful people have the knack of making their subconscious mind work constructively for them. They simply know how to size up a tough problem, put whatever facts and thoughts they have about it into the "fireless cooker" of their subconscious mind—and forget about it for awhile. It is astonishing how often, and how quickly, the correct solution then comes to them.

There is nothing magical about it. That is simply how the subconscious mind works . . . when you have the knack of using it constructively. And it is well worth gaining that knack, because the subconscious mind is really more powerful than the conscious one!

How to "Harness" Your Subconscious Mind

John K. Williams has gathered a wealth of information on use of the subconscious mind and has compressed it into a very simple, readable book, "*The Knack of Using Your Subconscious Mind*."

In non-technical language, this practical book shows how your conscious mind gathers facts, faces problems; then how your subconscious supplies the answers, creates ideas. It tells how your subconscious—unfettered by the distractions of daily life—works patiently twenty-four hours a day . . . while

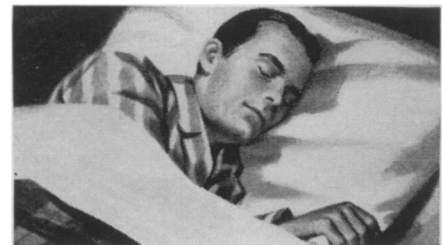
you rest, relax, even sleep. The book shows how to use your subconscious so it balances the work-load between your conscious and subconscious minds . . . how to practice the art of "fireless cooking" on every business or social problem that ever confronts you.

What the Critics Say:

Dr. Henry Edmonds writes, in the *Birmingham Post Herald*: "We have heard the statement that we live at about 15% of our potential efficiency. Mr. Williams tells us where most of that lost 85% has been hiding."

Dr. Herbert Spaugh, well-known columnist writes: "Here's a book which every man and woman who aspires to success and leadership should read. It sums up the wonderful modern discoveries of the use of the subconscious mind; explains how many of those so-called 'hunches,' which lead to new discoveries and methods, develop in the mind. It is such a fascinating book that when I began reading it I had to complete it at one sitting."

Henry W. Lohse, well-known Canadian business analyst says: "This book is a MUST—particularly for people in creative work, for doctors to help them interpret diagnoses and understand their patients, teachers, scientists, research workers, engineers, architects, and many others."

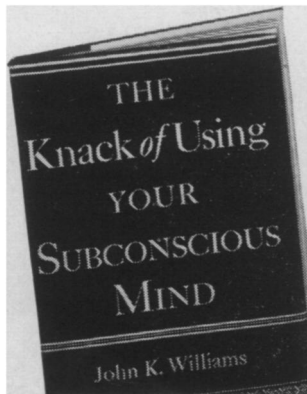


Put any problem into the "fireless cooker" of your subconscious mind. Then forget it. You'll be surprised at how often the right answer will be waiting for you next morning.

Without Obligation, Try this Book for Five Days

The publishers believe that this book will show you how to do more, and better, work in less time—that it will help you to arrive at wise solutions to your most puzzling problems—that it will enable you to be more creative, get more good ideas—and that it will give you worthwhile advantages over those who do not know the simple knack of using their subconscious minds effectively. 112 pages; handsomely bound.

The price of the book is only \$2.50. You may read it for five days, without obligation; so you risk nothing in sending for it. Use the convenient coupon below. *The Updegraff Press, 35 Harwood Bldg., Scarsdale, N. Y.*



Order from Your Bookseller or Mail this Coupon to:

**The Updegraff Press, Ltd.,
35 Harwood Bldg., Scarsdale, N. Y.**

Enclosed is \$2.50. Please send me "*The Knack of Using Your Subconscious Mind*," by John K. Williams. If not thoroughly pleased I will return it to you in 5 days and my \$2.50 will be refunded.

Name (Please PRINT name and address)

Address

City Zone No. (if any) State

FREE!

ON THIS AMAZING OFFER

THIS EXTRAORDINARY
High-Fidelity Recording of
MOZART'S
Symphony No. 14 in A Major



WE want to give you this extraordinary L.P. record—FREE—to acquaint you with our fine high-fidelity releases. You will receive it by ordering any of the records below at the unbelievably low price of \$1.50 each. A selection of the greatest music ever written, in internationally acclaimed performances. All records guaranteed equal in

musical and technical quality to records selling for more than three times their price. Pressed on the finest plastic. The last word in high-fidelity reproduction; beauty of tone with virtual absence of surface noise. **You Save 66 2/3%!** You save over \$3.00 per record on the usual price—because we sell direct, and because of advanced production techniques which cut overhead to the bone. Order all the records of your choice now at this low price by checking the boxes in coupon below. If not delighted your money will be promptly refunded. You may keep the FREE Mozart record in any case!

Money-Back Guarantee

If not delighted you may return any record in 5 days for refund.

MAIL THIS NO-RISK COUPON TODAY!

Musical Masterworks Society, Inc.
Dept. 4510, 250 West 57th St., New York 19, N. Y.

Send me FREE the Long Playing, High Fidelity Musical Masterworks Recording of Mozart's Symphony No. 14 in A Major. Also send me the records I have checked below. I am enclosing \$1.50 for each record checked plus 25¢ per record for shipping expenses. (NOTE: If you order 5 or more records WE pay all shipping charges.)

If not delighted, I may return any record in 5 days and you will refund my money. (The Mozart record is mine to keep in any case.)

TCHAIKOVSKY: Symphony No. 4 in F Minor, Netherlands Philharmonic Orchestra; Walter Goehr, conductor.

TCHAIKOVSKY: Piano Concerto No. 1 in B-Flat Minor, Mewton-Wood, pianist; Musical Masterworks Symphony Orchestra; Walter Goehr, conductor.

BEETHOVEN: Symphony No. 5 in C Minor, Utrecht Symphony Orchestra; Paul Hupperts, conductor.

BEETHOVEN: Sonata No. 9 in A Major, "Kreutzer," Oliver Colbentson, violinist; David Garvey, pianist.

BEETHOVEN: Symphony No. 8 in F Major, Winterthur Symphony Orchestra; Walter Goehr, conductor.

BEETHOVEN: Two German Dances, Winterthur Symphony Orchestra; Walter Goehr, conductor.

BRAHMS: Symphony No. 3 in F Major, Zurich Tonhalle Orchestra; Otto Ackermann, conductor.

BACH: Brandenburg Concerto No. 4 in G, Winterthur Symphony Orchestra; Walter Goehr, conductor.

BACH: Brandenburg Concerto No. 5 in D, Winterthur Symphony Orchestra; Walter Goehr, conductor.

BACH: Organ Recital: Toccata, Adagio and Fugue in C Major; Toccata and Fugue in D Minor; Toccata in F Major, Alexander Schreiner, at the Organ of the Tabernacle, Salt Lake City.

LALO: Symphonie Espagnole, Ricardo Odnoposoff, violinist; Utrecht Symphony Orchestra; Walter Goehr, conductor.

DUKAS: The Sorcerer's Apprentice, Utrecht Symphony Orchestra; Paul Hupperts, conductor.

MOUSSORGSKY: Night on Bald Mountain, Netherlands Philharmonic Orchestra; Walter Goehr, conductor.

MENDELSSOHN: Violin Concerto in E Minor, Louis Kaufman, violinist; Netherlands Philharmonic Orchestra; Otto Ackermann, conductor.

MENDELSSOHN: Symphony No. 4 in A Major, "Italian," Clemens Dahinden, conductor.

MOZART: Piano Concerto No. 20 in D Minor, Frank Pelleg, pianist; Musical Masterworks Symphony Orchestra; Walter Goehr, conductor.

WAGNER: Die Meistersinger von Nuernberg, (Preludes to Acts I and III), Zurich Tonhalle Orchestra; Otto Ackermann, conductor.

CHOPIN: Piano Concerto No. 2 in F Minor, Mewton-Wood, pianist, Radio Zurich Orchestra; Walter Goehr, conductor.

HAYDN: Symphony No. 96 in D Major, "Miracle," Winterthur Symphony Orchestra; Walter Goehr, conductor.

HAYDN: Isola Disabitata (Overture), Winterthur Symphony Orchestra; Walter Goehr, conductor.

SCHUBERT: Symphony No. 5 in B Flat Major, Winterthur Symphony Orchestra; Fritz Busch, conductor.

MOZART: Symphony No. 36 in C Major, "Linz," Winterthur Symphony Orchestra; Walter Goehr, conductor.

BIZET: Symphony in C Major, Utrecht Symphony Orchestra; Paul Hupperts, conductor.

Total No. of Records Checked.....at \$1.50 per Record \$

Mailing Charges 25¢ per Record \$

(If you order 5 or more records, WE absorb all mailing charges)

TOTAL ENCLOSED \$

Name

(PLEASE PRINT)

Address

City..... Zone..... State.....

Dept. 4510

MUSICAL MASTERWORKS SOCIETY, Inc.

You Can Reach
A Global Audience
through the medium of Interlingua,
the root language of the Western World.

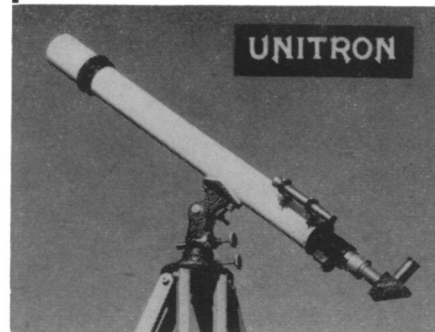
The Interlingua Division
of Science Service
offers its facilities to scientific and medical journals, research institutions, and industrial and pharmaceutical concerns in the preparation and distribution of Interlingua texts which are understandable at sight to readers in all parts of the world.

For detailed information write to:
Science Service, Interlingua Division,
80 East Eleventh Street
New York 3, N. Y.

UNITRON

GIFTS for the AMATEUR SCIENTIST

UNITRON Refractors are the most wanted telescopes in America today! Unexcelled for combined astronomical and terrestrial use. Write for free educational literature on how to select a telescope and illustrating all UNITRON Models. Learn why astronomy is today's fastest growing hobby!



ALTAZIMUTH REFRACTORS

COMPLETE with mounting and slow motion controls, tripod, view finder, erecting prism system (2.4" and 3" models), star diagonal, sunglass, wooden cabinets, etc.

1.6" MODEL: with eyepieces for 78X, 56X, 39X only **\$75**

2.4" MODEL: with eyepieces for 100X, 50X, 35X only **\$125**

3" MODEL: with eyepieces for 171X, 133X, 96X, 67X, 45X, only **\$265**

Additional eyepieces available for all models.

OTHER UNITRON REFRACTORS

4 INCH PHOTO-EQUATORIAL **\$890**

4 INCH EQUATORIAL **785**

4 INCH ALTAZIMUTH **465**

3 INCH PHOTO-EQUATORIAL **550**

3 INCH EQUATORIAL **435**

2.4 INCH EQUATORIAL **225**

Time payment plan available.

ALL INSTRUMENTS FULLY GUARANTEED

Send check or m.o. or 25% deposit with balance C.O.D. Write for illustrated literature: Dept. L-114.

United Scientific Co.

204-206 MILK STREET, BOSTON 9, MASS.