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February 16, 1957

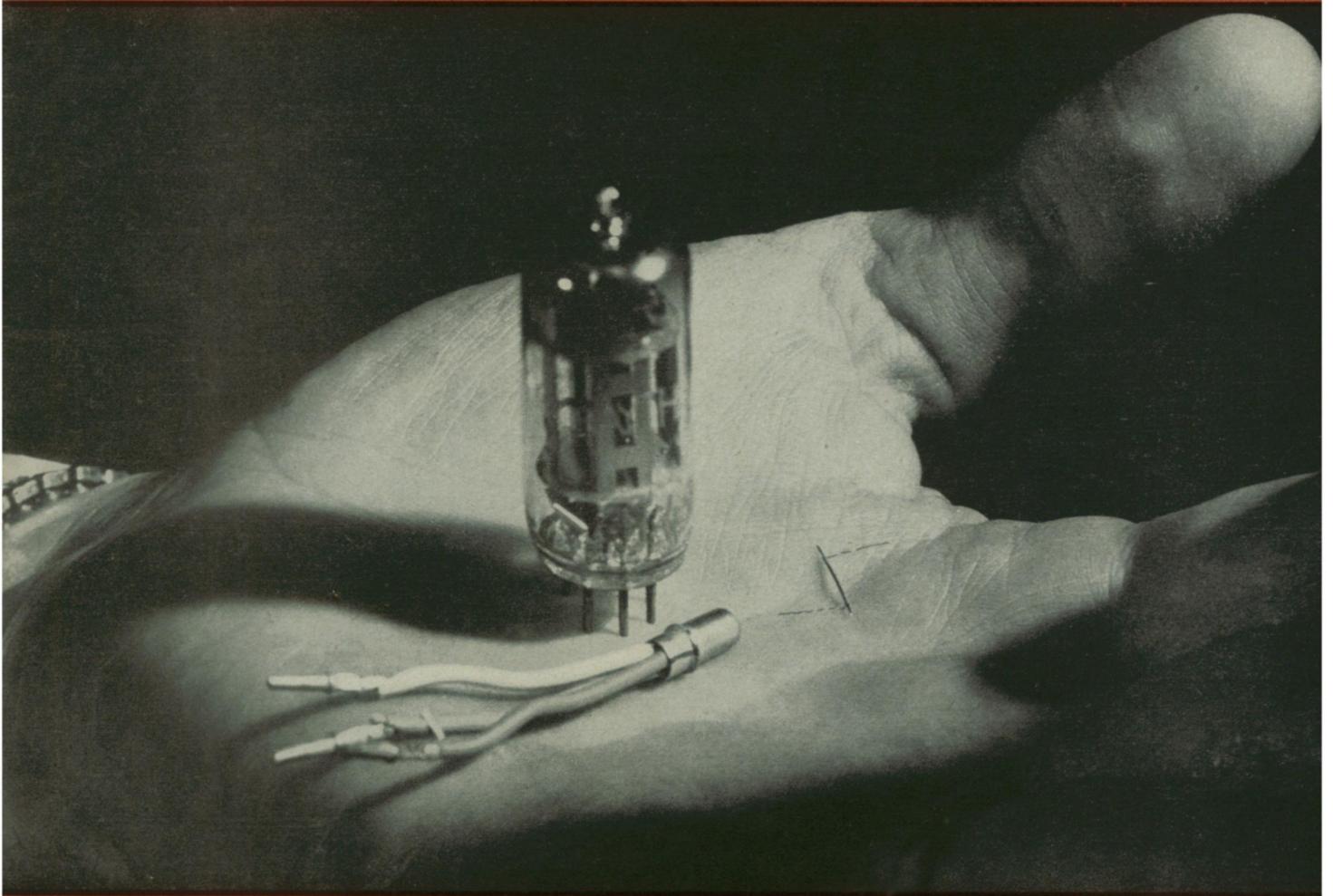
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SCIENCE NEWS LETTER

®

THE WEEKLY SUMMARY OF CURRENT SCIENCE



Coldly Efficient

See Page 103

A SCIENCE SERVICE PUBLICATION

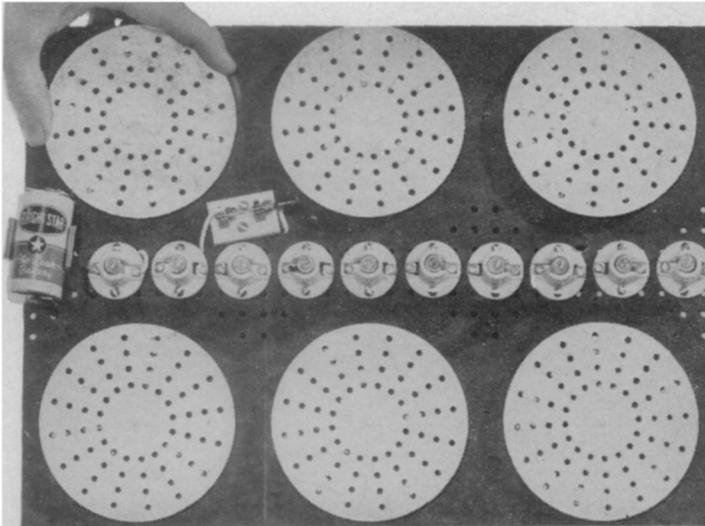
For Problem-Solving... Experimentation... Teaching... or Just Fun

BUILD YOUR OWN ELECTRIC BRAIN MACHINE

IN JUST A FEW HOURS!

Remarkable 400-Component Construction Kit Enables You To Create Any of 33 Brain Machines! Build **LOGIC MACHINES** That Compare, Reason, Test Intelligence; **ARITHMETICAL MACHINES** (Binary & Decimal); **GAME-PLAYING MACHINES** (Tic-Tac-Toe, Nim, etc.)

Teachers and Scientists: *Design Your Own Machines!*



1957 GENIAC KIT CONTAINS (1) a complete 200-page text, "Minds and Machines"—a basic introduction to computers. (2) "How to Construct Electrical Brains at Home"—a fully illustrated text book on basic computer design theory and circuits with specific instructions for building 33 circuits. (3) Wiring Diagram Manual. A special booklet with full scale diagrams. (4) Beginners' Manual—fifteen extra experiments to teach the basic symbols of electric circuits. (5) Over 400 components and parts.

GENIAC is the only kit and text combination that presents the basic ideas of cybernetics, boolean algebra, symbolic logic and computer circuitry for all levels of knowledge and intelligence. Sold to all customers on a one-week return guarantee; actually use it during that time, return it if you decide not to keep it.

WITH GENIAC you build any of 33 electric brain machines in a few hours by following the clear-cut, step-by-step directions in the basic text provided. Advanced students and scientists can design machines for special problems. No soldering required, and little wiring. Change design of your machines in minutes! Build Binary Adding Machine • Secret Coder & Decoder • Machine for Arithmetical Carrying • Comparing Machine • Reasoning Machine • General Combination Locks • Games Requiring Logic • Machine for a Space Ship's Airlock • Intelligence Tester • Burglar Alarm • Puzzle Solvers and many others.

OVER 400 COMPONENTS AND PARTS

Circuits operate on one flashlight battery, and use ingeniously designed parts. 1957 GENIAC Kit has been constructed by the original inventor to provide all the advantages of previous electrical brain construction kits plus what we have learned in answering the questions and examining the new designs created by hundreds of users.

SELF-CONTAINED COURSE IN COMPUTER DESIGN

Each GENIAC comes as a self-contained course in computer design. All instructions are so simple that we have records of intelligent twelve-year-olds designing factoring machines and puzzle-solving circuits—while hundreds of schools and industrial training programs have incorporated our kits in their curricula.

YOUR COST FOR GENIAC KIT: ONLY \$19.95 POSTPAID

The coupon will bring your GENIAC Electric Brain Construction Kit and Manuals for only \$19.95 postpaid. You may return the Kit within 7 days if you are not completely satisfied. For schools we offer bulk rates on extra texts and parts; for teachers, we offer 10% deduction on GENIAC if ordered for use in institutions. Send for your Kit today!

- SOME INSTITUTIONS AND FIRMS NOW USING GENIAC**
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| Allis-Chalmers | Lafayette Radio | Los Angeles Public Schools |
| Remington-Rand | Rohr Aircraft Co. | Jefferson Union High School |
| International Business Machines | Southwest Missouri State College | Oklahoma A & M |
| Wheeldex Mfg. Co. | Albert Einstein Medical College | Kansas State University |
| Manuel Missionary College | Naval Research Laboratories | Duke University |
| Walter V. Clarke Associates | Board of Education, Tecumseh, Nebraska | Coral Gables Senior High School |
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ORDER GENIAC ON OUR MONEY BACK Guarantee!

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 \$19.95 (East of Mississippi)
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 Returnable in seven days for full refund if not satisfied. I enclose \$..... in full payment.

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Exotic Paradises of the World

Do you know where to find an island right near the U. S. so nearly like Tahiti in appearance, beauty, and color even the natives say it was made from a rainbow? (And that costs here are so low you cannot only reach it but also stay a while for hardly more than you'd spend at a resort in the U. S.?)

Do you know where to find the world's best mountain hideaways or its most dazzling surf-washed coastal resorts, where even today you can live for a song?

Do you know where it costs less to spend awhile, the surroundings are pleasant, and the climate well nigh perfect in such places as Mexico, the West Indies, Peru, France, and in the world's other low cost wonderlands?

Or if you've thought of more distant places, do you know which of the South Sea Islands are as unspoiled today as in Conrad's day? Or which is the one spot world travelers call the most beautiful place on earth, where two can live in sheer luxury, with a retinue of servants for only \$175 a month?

Bargain Paradises of the World, a big new book with about 100 photos and 4 maps, proves that if you can afford a vacation in the U. S., the rest of the world is closer than you think. Authors Norman D. Ford and William Redgrave, honorary vice presidents of the Globetrotters Club, show that the American dollar is respected all over the world and buys a lot more than you'd give it credit for.

Yes, if you're planning to retire, this book shows that you can live for months on end in the world's wonderlands for hardly more than you'd spend for a few months at home. Or if you've dreamed of taking time out for a real rest, this book shows how you can afford it.

In any case, when it can cost as little as \$24.50 from the U. S. border to reach some of the world's exotic paradises, it's time you learned how much you can do on the money you've got. Send now for **Bargain Paradises of the World**. Price \$1.50. Use coupon to order.

HOW TO TRAVEL —and get paid for it

There's a job waiting for you somewhere: on a ship, with an airline, in overseas branches of American firms, in foreign firms overseas—even exploring if you're adventurous.

The full story of what job you can fill is in Norman Ford's new book *How to Get a Job That Takes You Traveling*. Whether you're male or female, young or old, whether you want a life-time of paid traveling or just hanker to roam the world for a short year or so, here are the facts you want, complete with names and addresses and full details about the preparations to make, the cautions to observe, the countries to head for.

You learn about jobs in travel agencies (and as tour conductors), in importing and exporting concerns, with mining and construction companies. Here's the story of jobs in the Red Cross and the UN organizations, how doctors get jobs on ships, the almost-sure way for a young girl to land a job as airline hostess, the wonderful travel opportunities if you will teach English to foreigners, and the fabulous travel possibilities for those who know stenography.

"Can a man or woman still work his or her way around the world today?" Norman Ford asks in this book as you might ask today. And he replies in 75,000 words of facts, "The answer is still a very definite Yes."

To travel and get paid for it, send today for *How to Get a Job That Takes You Traveling* on a money-back guarantee if not satisfied. Price, \$1. Fill out coupon.

Will Your Next Vacation Really Be Something to Remember?

The surest way to guarantee a new, different, and exciting vacation is to learn the hundreds of things you can do and the places you can visit on the money you want to spend.

Norman Ford, founder of the world-known Globetrotters Club, tells you that in his book *Where to Vacation on a Shoestring*. This is the man who spent a lifetime searching for the ways to get more for your money in vacations and travel. In his big book you learn

- about low-cost summer paradises, farm vacations, vacations on far-off islands, on boats drifting down lazy streams while you fish.
- about vacations at world-famous beaches, under palm and eucalyptus trees, in government-subsidized vacation resorts, in Indian country, along rugged coastlines, on ships and by rail.
- about dude ranches you can afford; what to see, do, and how to save at national parks and in the cities most Americans want to visit.
- about low-cost sailing ship cruises, houseboat vacations in the North Woods, fantastically low-cost mountain vacations, the unknown vacation wonderlands almost at your front door.

Of course, Norman Ford knows where to get real vacation bargains in all America, from Maine to California, and in Canada, Mexico, etc. At no time does he ask you to spend a lot of money to enjoy yourself, no matter how really different and exciting is the vacation you choose through his experienced advice. Always, he tells you the many things you can do within your budget and how to get more for your money (if you travel by car, he shows how most auto parties can save \$6 or \$7 a day).

You can't help but learn something that is just meant for you. Yet, *Where to Vacation on a Shoestring* costs only \$1. To make sure your next vacation will be something to talk about, get the facts now. Use the coupon to order.

Where Do You Want to Go?

FRANCE? WEST INDIES? BRAZIL?
HAWAII? MEXICO?

Go by Freighter—the pleasant way to travel

WHEN THE travel editor of the *Christian Science Monitor* saw a copy of "Travel Routes Around the World," he wrote: Many fascinating travel booklets pass over this desk in the course of a year but the one that arrived the other day so interested this department that it cost the office several hours of work in order that we might absorb its contents. The booklet is entitled "Travel Routes Around the World" and is the traveler's directory to passenger-carrying freighters and liners. In no time at all you find yourself far out to sea cruising along under tropical skies without a care in the world. You find yourself docking at strange ports and taking land tours to those places you long have read about. Most interesting of the vast listings of ships are the freighters which carry a limited number of passengers in quarters comparable to the luxury offered in the so-called big cruise ships which devote most of their space to passengers.

The booklet first of all answers the question: What is a freighter? The modern freighter, says the booklet, ranks with the de-luxe passenger vessels so far as comfort and accommodations are concerned.

LARGE ROOMS WITH BEDS

It is important to realize that in most cases today, freighter passengers are considered first-class passengers, although the rates charged are generally on a par with either cabin or tourist-class fare. Most passenger-carrying freighters, to quote the booklet, have their private bath and shower, and these cabins offer beds, not bunks. The rooms are generally larger than equivalent accommodations aboard passenger ships, and the cabin of a modern freighter is sometimes even twice as large as first-class cabins on some of the older passenger ships. It goes without saying that your room is on the outside, and amidstships, the most expensive of all locations, for which you are usually charged a premium over the advertised minimum fares on passenger ships.

This booklet points out that it is frequently astonishing how low freighter fares are as compared with passenger ship fares; for example, less than one-half of the passenger ship fare to California is the amount asked on freighters. On most of the longer runs, the difference in favor of the freighters is regularly from a third to half of the passenger ship fare.

SERVICE AND MEALS RATED EXCELLENT

Service and meals on a freighter leave little to be desired. You will be treated with consideration. Stewards will go out of their way to make your voyage pleasant. On ships with East Indian stewards you will be waited on almost hand and foot, in a manner that is completely unknown to Americans and most Europeans.

Foreign ships offer their own specialties, says the booklet. Thus vessels in the East Indian trade serve Rijkstafel, the East Indian dish which can run to as many as 50 different courses. Scandinavian shippers serve Smorgasbord every day, and some of their desserts (like strawberries smothered in a huge bowl of whipped cream) are never forgotten. Another feature of freighter travel is in its informality. No formal clothes are needed. Sports clothes are enough.

Other valuable information such as how to tip, shipboard activities and costs are covered in the booklet, "Travel Routes Around the World." Some of the trips listed include a trip to England for \$160, a 12-day Caribbean cruise, or a leisurely four-month round the world voyage.

The booklet is published by Harian Publications, Greenlawn, New York, and may be obtained by sending to the publisher. So, when it arrives all you need to do is sit down and take your choice. The booklet lists literally hundreds of ocean trips.

"Travel Routes Around the World" is yours for just \$1, and the big 131-page 1957 edition includes practically every passenger-carrying service starting from or going to New York, Canada, New Orleans, the Pacific Coast, Mexico, South America, England, France, the Mediterranean, Africa, the Indies, Australia, the South Seas, Japan, Hawaii, etc. There's a whole section called *How to See the World at Low Cost*, plus pages and pages of photos and maps.

A big \$1 worth, especially as it can open the way to more travel than you ever thought possible. For your copy, simply fill out coupon.

Fill Out and Send at Once for Quick Delivery

Mail to HARIAN PUBLICATIONS, 173 Spring St.
Greenlawn (Long Island), New York

I have enclosed \$..... (cash, check, or money order).
Please send me the books checked below. You will refund my money if I am not satisfied.

- Travel Routes Around the World. \$1.
- How to Get a Job That Takes You Traveling. \$1.
- Where to Vacation on a Shoestring. \$1.
- Bargain Paradises of the World. \$1.50.
- Special offer: All books above for \$4.

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