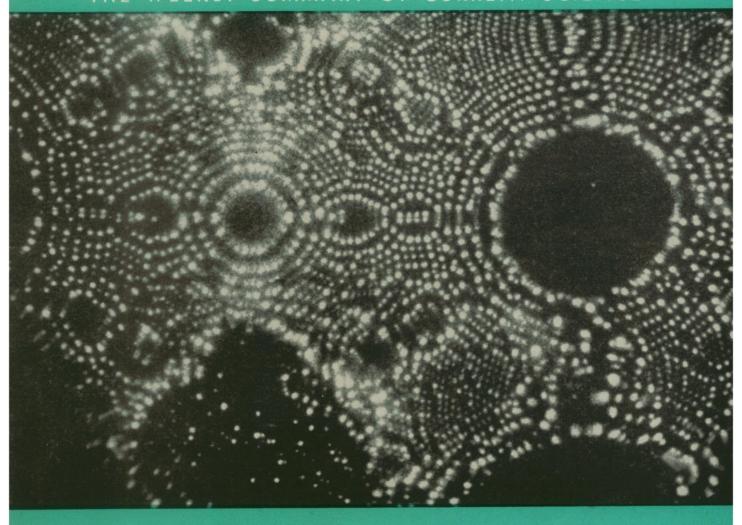
SCIENCE NEWS LETTER

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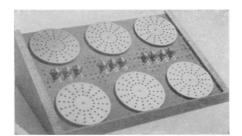
THE WEEKLY SUMMARY OF CURRENT SCIENCE



Atomic Lattice See Page 222

A SCIENCE SERVICE PUBLICATION

Why have hundreds of schools bought GENIAC, The Electric Brain Construction Kit?



This is the control panel of GENIAC set up to solve a problem in symbolic logic analysis.

We think it's because GENIAC is the only kit and text combination that presents the basic ideas of cybernetics, boolean algebra, symbolic logic and computer circuitry so simply that a twelve year old can construct what will still fascinate advanced students.

The partial list of our institutional purchasers below indicates a cross section of our customers. GENIAC is not only an excellent classroom demonstrator but it provides hours of fun abuilding. As such it makes a perfect present for the science minded teen-ager. As a father-son project it can't be beaten.

GENIAC is sold to all customers on a one-week return guarantee. You may actually use it in that time, returning it as is if you decide not to keep it.

Order yours now only \$19.95

Some of the 33 GENIACS you can build from the completely detailed instruction manual are: LOGIC MACHINES: Comparing; Reasoning; Syllogism Machine; Intelligence Tester.

GAME PLAYING MACHINES: Tic-Tac-Toe; Nim (Think you can beat the machine?).

ARITHMETICAL MACHINES (Binary and Decimal): Adder; Subtractor; Multiplier; Divider; Arithmetical Carrying.

CODE MACHINES: Secret Coder; Secret Decoder; Combination Locks.

SIMPLE MACHINES: Burglar Alarm; Automatic Oil Furnace Circuit.

PUZZLE SOLVERS: The Space Ship Airlock; The Fox, the Hen, the Hired Man and the Corn; The Uranium Shipment and the Space Pirates.

ACTUARIAL: Douglas MacDonald's Will.

GENIAC parts are specially manufactured to high tolerance; they include a special six-deck switch of unique design and over 400 components plus a book "GENIACS SIMPLE ELECTRICAL BRAIN MACHINES AND HOW TO MAKE THEM." GENIAC is a remarkable buy for

only \$19.95

Kit and instructions are returnable for full refund in seven days. This is a perfect father-andson project; your whole family and your friends will enjoy the finished machines. You can design new computers from the adaptable parts.

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SCIENCE KITS, Dept. SL-47-A, Oliver Garfield Co., 126 Lexington Ave., New York 3, N. Y. Please send me:

1 GENIAC Electric Brain Construction Kit and Manual.

\$19.95 (East of Mississippi)

\$20.95 (Elsewhere in United States)

\$21.95 (Outside the United States)

Returnable in seven days for full refund if not satisfied. I enclose \$.....in full payment.

My name and address are attached.

SOME FIRMS AND INSTITUTIONS THAT HAVE ORDERED GENIAC:

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Wheeldex Mfg. Co.
Manuel Missionary College
Walter V. Clarke Associates
Barnard College
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Phillips Laboratories
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Lafayette Radio
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Duke University
Duke University
Coral Gables Senior High School
Courtland Jr. High School
Bell Telephone Laboratories
Lovell Public Schools
Clearwater High School
St. John's Seminary
Orange County Community College
New Hampshire Public School
Kentucky Wesleyan College
University of Ottawa
... and hundreds of other individuals
and institutions

WHERE WILL YOU GO IN FLORIDA?

FLORIDA needn't be expensive—not if you know just where to go for whatever you seek in Florida. And if there's any man who can give you the facts you want it's Norman Ford, founder of the world-famous Globetrotters Club. (Yes, Florida is his home whenever he isn't traveling.)

His big book, Norman Ford's Florida, tells you, first of all, road by road, mile by mile, everything you'll find in Florida, whether you're on vacation or looking over job, business, real estate, or retirement prospects.

Always he names the hotels, motels, and restaurants where you can stop for the best accommodations and meals at the price you want to pay. For that longer vacation, if you let Norman Ford guide you, you'll find a real "paradise"—just the spot which has everything you want.

Of course, there's much more to this big book

If You Want a Job or a Home in Florida

NORMAN FORD tells you just where to head. His talks with hundreds of personnel managers, business men, real estate operators, state officials, etc., lets him pinpoint the towns you want to know about if you're going to Florida for a home, a job with a future, or a business of your own. If you've ever wanted to run a tourist court or own an orange grove, he tells you today's inside story of these popular investments.

If You Want to Retire on a Small Income

NORMAN FORD tells you exactly where you can retire now on the money you've got, whether it's a little or a lot. (If you need a part-time or seasonal job to help out your income, he tells you where to pick up extra income.) Because Norman Ford always tell you where life in Florida is pleasantest on a small income, he can help you to take life easy now.

Yes, no matter what you seek in Florida—whether you want to retire, vacation, get a job, buy a home, or start a business, Norman Ford's Florida gives you the facts you need to find exactly what you want. Yet this big book with plenty of maps and well over 100,000 words sells for only \$2—only a fraction of the money you'd spend needlessly if you went to Florida blind.

For your copy, fill out coupon today.

MAKING MONEY FROM FLORIDA REAL ESTATE

. . . the newcomer's guide to buying a home or income producing property that's worth the money and more.

Almost town by town, development by development, the editors of Harian Publications pinpoint the areas in all this big state where you get good values even today and experts think property values will increase. Hundreds of government officials, real estate men, etc., were consulted to get the facts even old-time residents wish they had and new-comers certainly need to make a sound purchase.

Here are amazing answers to these important questions and hundreds more:

- Where is there cheap land in Florida? Which of this low priced land is worth buying?
 - How can you-like thousands of others-live rent free in Florida?
- What's the best way to cut the price of the real estate you want to buy?
 How can you tell how much a vacant lot is really worth? That you're not being overcharged?
- Which of two similarly-priced motels could earn \$3000 a year a unit, while another one that looks the same can be empty night after night?
 - Why are orange groves a real gold mine for the absentee owner?

 \bullet Some kinds of income property have been reported to pay 40 % a year. Where could you find such property? Is this the low-cost way to retire in Florida?

Making Money from Florida Real Estate—the book which 300 appraisers, builders, brokers, economists, and other experts helped the editors of Harian Publications to prepare—takes you on an insider's tour of Florida's cities and towns: Miami, the Gold Coast, the Keys, St. Petersburg, the West Coast, and all the other four-star regions in Florida. Here's the current real estate picture in each of them—the ways to get a good buy in your Florida home, where to get property for the long pull, whether and where to buy income property, and dozens of other important topics.

Your home or other real estate investment is going to cost you thousands. Make sure your money doesn't go down the drain—that you buy property that is valuable today and will be worth even more tomorrow. Only \$2.50—only a fraction of what you're going to spend just to reach Florida—for this detailed guide to making your money do a man-sized job in Florida.

AMERICA'S 50 BEST CITIES in which to retire

Can you answer these questions about the U.S.A.?

- Where are retirement costs lower than elsewhere in Florida's cities?
- Which U. S. city provides two months of opera and concerts for \$4.50? bring you al 10-acre retirement farm on the outskirts, operated with hired help, bring you all the income you need for retirement in comfort?

• Which are America's 4 best cities for retirement jobs? For full-time jobs? Which Florida west coast city offers the best jobs, the widest choice of openings, the highest wages?

America's 50 Best Cities in which to live, work, and retire—Norman Fords nuge new book—shows the retirement couple where living costs are less and there's more to do every day of the year. You learn:

- -which are the 5 lowest cost retirement cities, where there's plenty of warmth and sunshine all winter long.
- which are the 7 best resort cities where you can retire at modest cost and always meet new people.
- which are the most healthful cities of all, which are the 5 best small cities, which are the best cities in all the U. S. in which to live.
- learn where you can find the best opportunities in Florida, California, Arizona, and elsewhere in the U. S. for someone with your talents.

To get all the information in this book, you'd travel for months, perhaps years, and consult, as Norman Ford did, hundreds of government officials, real estate men, businessmen, and old-time residents. But this huge book of 100,000 words costs only \$2.

AMERICA BY CAR



This big book is your insurance of seeing all the four-star sights in whatever corner of the U. S. or Canada you drive to (and it even covers Mexico and Cuba as well).

Day by day, America by Car tells you where to go from Alaska to Mexico. Whether you're visiting New England or California, Florida or the National Parks, the Great Lakes, the Mississippi, California, the East, the South or the Southwest, the Indian country, etc., it tells you road by road the scenic way to go and it always directs you to the important sights along the way and in the cities.

In Niagara or Los Angeles, Washington or New Orleans, the Black Hills or Montreal, America by Car takes the guesswork out of travel. Of course it names hundreds of recommended places to eat and stay.

America is so big, you can easily overlook or forget important sights or make many a wrong turn. So get America by Car, the book that makes sure you'll see everything of consequence and always travel right.

America by Car is fully 170,000 words in length. But it costs only \$2.50, while it helps you see any part of America as you've probably never before explored this part of the world

STOP SAYING that travel is too expensive FREIGHTERS

are the secret of low cost travel

Yes, for no more than you'd spend at a resort you can take a never-to-be-forgotten cruise to Rio and Buenos Aires. Or through the Canal to either New York or California. Or to the West Indies or along the St. Lawrence River to French Canada. In fact, trips to almost everywhere are within your means.

And what accommodations you get: large rooms with beds (not bunks), probably a private bath, lots of good food and plenty of relaxation as you speed from port to port.

Depending upon how fast you want to go, a round-the-world cruise can be yours for as little as \$250-\$300 a month. And there are shorter trips. Fast, uncrowded voyages to England, France, South America; two- or three-week vacations up and down the Pacific Coast or to New Orleans. Name the port and the chances are you will find it listed in "Travel Routes Around the World." This is the book that names the lines, tells where to go, how much they charge, briefly describes accommodations. Hundreds of thousands of travelers all over the world swear by it. Travel editors and travel writers say "To learn how to travel for as little as you'd spend at a resort get "Travel Routes Around the World."

It's 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, 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.

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Travel Routes Around the World—the directory of passenger- carrying freighters—\$1.
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