

The Weekly Newsmagazine of Science

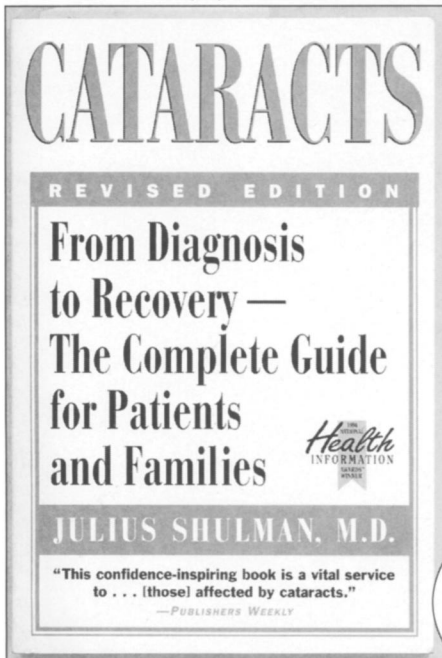
SCIENCE NEWS

December 2, 1995
Vol. 148, No. 23
Pages 369-384



New Crops

St. Martin's Griffin, 1995, 164 pages,
5 1/2" x 8 1/4", paperback, \$9.95



To order by phone, call:
1-800-544-4565

(Visa or MasterCard only)

In D.C. area: 202-331-9653

In **Cataracts**, Dr. Julius Shulman guides the reader step by step through the latest cataract removal procedures. In non-technical language, Dr. Shulman clearly explains everything a patient needs to know to understand and make decisions from diagnosis through recovery. Topics include: what cataracts are and how they form • the symptoms of cataracts • the methods of cataract surgery, including lasers • glasses, contact lenses, and implants • what to expect in the recovery stages • what to hope for • how to choose an ophthalmologist.

— from St. Martin's Griffin

Science News Books, 1719 N Street, NW
Washington, DC 20036

Cataracts

Please send _____ copy(ies) of *Cataracts*. I include a check payable to Science News Books for \$9.95 plus \$2.00 postage and handling (total \$11.95) for each copy. Domestic orders only.

Name _____

Address _____

City _____ State _____ Zip _____

Daytime Phone _____
(used only for problems with order) RB2415

*Where did the first humans originate?
How and when did humans get onto North
America, the tip of South America, and Australia?
Was there a single human ancestress whose
mitochondria survive within us today?*

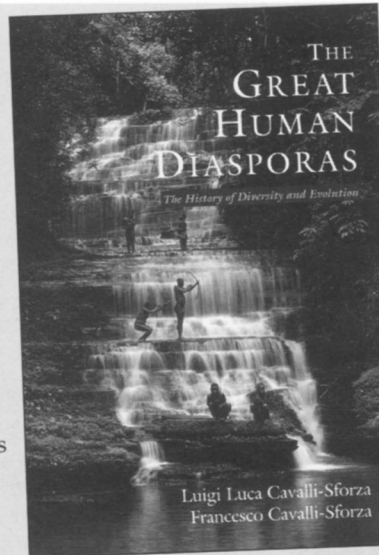
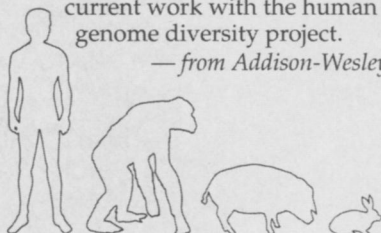
Because history cannot be repeated, we may never have answers to these far-reaching questions. Yet, population geneticist Luigi Luca Cavalli-Sforza contended that the evolutionary past of humankind could be reconstructed by analyzing current genetic data.

After providing a thorough grounding in evolutionary theory, Cavalli-Sforza shows how he and a few colleagues brought together genetic data on blood groups for fifteen populations spread out on five continents. By computing the genetic distance between pairs of populations, these scientists were able to develop an evolutionary tree that looks surprisingly like the ones reconstructed today—but with much less information.

Cavalli-Sforza shows how both archaeological and genetic data were used to track human migrations during the spread of agriculture; he probes the existence of a single ancestral language; and

he brings us up to date with his current work with the human genome diversity project.

— from Addison-Wesley



To order by phone, call:
1-800-544-4565

(Visa or MasterCard only)

In D.C. area:
202-331-9653

Addison-Wesley, 1995,
300 pages, 6 1/2" x 9 1/2",
hardcover, \$27.50



Science News Books, 1719 N Street, NW
Washington, DC 20036

GrHumDiaspH

Please send _____ copy(ies) of *The Great Human Diasporas*. I include a check payable to Science News Books for \$27.50 plus \$2.00 postage and handling (total \$29.50) for each copy. Domestic orders only.

Name _____

Address _____

City _____ State _____ Zip _____

Daytime Phone _____
(used only for problems with order) RB2417

Science and fun come together

IN THIS UNIQUE COLLECTION OF SCIENTIFIC, EDUCATIONAL AND ENTERTAINING PRODUCTS.

Begin a youngster's career in electronics with these five new **LEARN ELECTRONICS** hands-on **KITS**

Easy to build kits teach basic mechanical and electronic circuitry. It's fun and rewarding... the builder will proud of the results. You'll learn about transistors, oscillators, step-up transformers, trigger circuits, flash tubes and more. Each kit comes complete

with all components, step-by-step instructions, lesson manual and self-test booklet. Recommended for ages 10 and up. **Note:** Only the "Learn To Solder Kit" includes a soldering iron, solder and diagonal cutters.



YOU CAN BUILD WORKING ELECTRONIC MODELS

Learn To Solder Kit and Build A Flashing European Siren.

Learn how to solder on state-of-the-art printed circuit boards. Learn-by-doing will not only be an accomplishment, but you'll actually make a siren with flashing lights that can be used as an intruder alarm or bicycle siren. Recommended as the starter kit to improve soldering skills. Complete with all components including 30W soldering iron, solder and diagonal cutters. **AK-100 NN52,900 \$15.95**

FM Wireless Microphone Kit.

Learn about microphones, audio amplifiers, RF oscillators and how an FM radio works. You'll be building an actual FM station that can transmit thru any FM radio over 100 feet away. Complete with condenser microphone. **AK-710 NN52,908 \$15.95**

Stereo Tape Player Kit.

Have fun building this kit and learn how a tape player works. Teaches magnetic recording, audio amplifier theory, motor speed control and mechanical switching. Clear plastic case shows internal parts with stereo head phones. **AK-200 NN52,902 \$19.95**

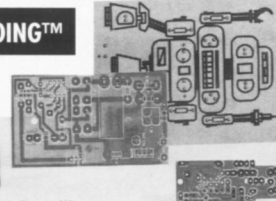
Build A Telephone Kit.

This kit contains the latest telephone features, such as automatic redial, mute and flashing neon lights when ringing. The clear plastic case allows you to show your friends your accomplishments. **AK-700 NN52,901 \$19.95**

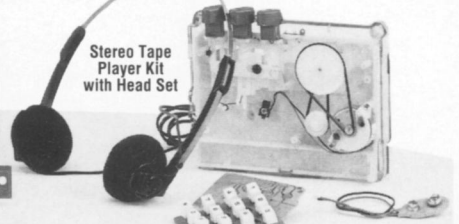


Telephone Kit

LEARN BY DOING™



FM Microphone Kit



Stereo Tape Player Kit with Head Set

Strobe Light Kit

(Batteries not included in kits.)

Solder Kit includes Siren

HOBBYISTS AND FUTURE SCIENTISTS AGREE: WE HAVE THE HARD-TO-FIND ITEMS EVERYONE WANTS.

Our Six Popular Favorite Science Toys That Teach.

Save \$5.29 on our famous favorites!

SPECIAL PRICE \$21.95

NS52,380

Classic science demonstration toys have amazed and intrigued young minds for many generations. You'll have fun and learn scientific demonstrations with a...

- Amazing Flying Bird • Fickle Foam • Whirling Gyroscope
- Sun Powered Radiometer • Rainbow Maker • Space Pet

Metric Triple Balance Ohaus Scale With Single Pan Balance.

The classic weighing instrument provides accurate weights year after year. Rugged construction, weigh anything - liquids, solids or live animals. Three tiered, notched beams (100-550, 10-100, 0-10 grams) have center readings, sliding poises. 610 gram capacity. Stainless 6" platform 18x6x6". **NN71,695 \$95.00**

Go Fishing With This Mighty Magnet.

Lift up to 200 lbs. Fun to use around docks and bridges. A must for a boat, it helps retrieve metal objects that fall overboard. You'll be amazed at what you pull up. Wt. 2 lbs., measures 4x3 1/2 x 3 1/4". Made with a Poly-Vinyl Chloride coating to resist corrosion and chipping. **NN71,135 \$34.95**

COMPACT LASER POINTER

Lightweight, Measures Less Than 5.5"

Our Lowest Price Ever!

\$44.95

CAUTION: LASER LIGHT. DO NOT STARE INTO BEAM. DO NOT POINT AT OTHER PEOPLE. READ AND OBEY ALL INSTRUCTIONS.

Ideal for lecturers, educators, instructors, meetings and slide show presentations.

It projects a brilliant red laser dot to focus attention to slide presentations, charts, business and sales meetings at distances up to 150 feet. This compact pen style class IIIa laser pointer is crafted of the finest materials and built to the highest industrial standards. 8 hours continuous battery life, uses 2 "AAA" batteries (included), weighs less than 2 oz. Rated output: 3mW at 675nm. **CAUTION: Laser light, avoid direct eye exposure. NN52,442 PRICE BREAKTHROUGH! \$44.95**

SCIENCE DISCOVERY!

Fun And Intriguing! You'll Play For Hours With These Colorful Magnetic Magic Marbles.

Build a mountain or odd geometric patterns with these fascinating, high impact plastic marbles. Each marble has both a negative and positive pole. A challenge to your imagination. Fun for youngsters, adults too!

NS34,968 (Pkg. of 20) @ \$3.95 Ea. (15 Pkg. or more) @ \$3.70 Ea. (10 Pkg. or more) @ \$3.20 Ea. **NS37,823 (50 Marbles incl. bag) @ \$12.95 Ea.**

Authentic Russian KGB Micro Binoculars.

Originally designed as KGB restricted issue micro binoculars by the Lytcorino Optical Factory (the former Soviet Union's most secretive military optics factory). These 2.5 power micro binoculars feature 17.5mm coated objective lens and individual focusing eyepieces. Lightweight, compact folding design weighs only 2 1/4 oz. **On SALE Reg. \$35 NN53,014 \$29.95**

Have You Ever Seen The Inside Of Your Eye?

Eye scope is an optical device for looking at the inside of your eye. It's a specially designed diffuser incorporating a parabolic mirror and lens light. Safe and easy to use. A booklet included, describes the various features in-side the normal eye, how the iris works, kinds of floaters and fixed objects, how to inspect contacts. **NN33,538 \$29.95**

Add Spectacular Color To Your Home With A Rainbow Light Display.

Our equilateral prism mounted in an attractive high tech positioning base catches the sunlight from your windowsill and projects the ever-changing rainbow patterns over your walls, ceiling and floor. It's almost like being inside a multi-faceted diamond. Glass equilateral prism is 2" (50mm) long with 1" (25mm) faces. Black plastic mount is 3"x1 1/4"x1 1/4". **NN38,400 \$8.75**

Hands-On Laser Pointer Experiment Kit. This Kit offers suggestions for activities, demonstrations and experiments that can be performed with our 7/16" (feature above) and 3/8" diameter laser pointers. Kit includes: a holographic diffraction grating, a Polaroid filter, 2 first surface mirrors, 3 lenses, a solar cell, a rectangular prism, and 3 color filters. Includes 28 page instruction manual covers topics involving reflection, refraction, beam deviation, and absorption. Typical experiment such as measuring the wavelength of laser light and determining the effects of polarization are also explained. The manual even includes the basic theory on laser pointer operation. **NN 52,830 \$20.00**

Digital Thermometer Shows BOTH Indoor AND Outdoor Temperature, Memory For The Day's High AND Low!

Now, you'll know at a glance how cold it is, with large, easy-to-read LED read-out numbers, both the outside and inside temperature. Thermometer also records high and low readings. F° or C° selectable -40°F to +122°F. Modern Hi-Tech case measures 7 x 3 1/4 x 1/4". Easy to mount. Uses 2 "AA" batteries (not incl.). Complete with 10 ft. outdoor probe sensor cord. **On SALE Reg. \$46 NN38,038 \$30.00**

250 Assorted Stars That Glow In The Dark Turn Any Wall Or Ceiling Into The Night Sky.

Assortment of 250 luminous stars that glow in the dark on ceiling or wall. You'll enjoy viewing these "stars". Glowing stars will light up a room and you'll have fun with astronomy. Easy to apply decals glow after exposure to light. Comes with star chart and instructions to recreate the big dipper, Milky Way, etc. **NN9521 Pkg. of 250 \$4.75**

IT'S EASY TO ORDER WITH OUR FRIENDLY SERVICE

BY PHONE: 1-609-547-8880
Mon.-Fri. 8AM-8PM; Sat. 9AM-4PM (EST)

BY FAX: 1-609-573-6295
24 HOURS A DAY, 7 DAYS A WEEK

BY MAIL: enclose check or by credit card
NJ Residents add 6% sales tax

WE ACCEPT CREDIT CARDS
Visa, MasterCard, American Express, Optima, Discover, Diners Club or Carte Blanche accepted

Be sure to indicate the credit card being used, card number and expiration date (with MasterCard please include bank name and ID number).

ALL ORDERS SHIPPED POSTPAID

Edmund Scientific
Dept. 15DC, C915 Edscorp Bldg., Barrington, NJ 08007

FREE CATALOG

Science and fun come together in our new, 104 page 'SCIENTIFICS' color catalog, a special collection featuring over 5,000 scientific, educational and entertaining products that can be adapted for science fair projects. **Write, call or fax us today for your FREE copy.**

You Must Be Pleased! - Money Back Guarantee

If you are not completely satisfied with your purchase, return the merchandise in its original package and we will cheerfully refund your money in full. **We Back Our Products!** Our 45 day unconditional means you take no risk on any products you buy from us.

MONEY-BACK GUARANTEE