

Solve Lit problems with Cliff's Notes. Get valuable explanation... gain clearer understanding.

COMPANIONS:

Only \$1 at your bookseller or send coupon.

Fast!



Cliff's Notes, Inc., Dept. SN-11 P.O. Box 428, Lincoln, Nebr. 68501
NAME

······city
\$1.00 each, postpaid. Amount enclosed \$ Pease send complete list of over 175 titles. Circle the titles you want: Hamlet • Macbeth • The Odyssey • Scarlet Letter • Tale of Two Cities • Moby Dick • The Iliad • Huckleberry Finn • Return of the Native • Julius Caesar • Great Expectations • Crime and Punishment • Lord Jim • Red Badge of Courage Wuthering Heights • Grapes of Wrath • Canterbury Tales • Lord of the Flies • Pride and Prejudice Othello • Gulliver's Travels • Catcher in the Rye Ivanhoe • King Lear • Silas Marner • Great Gatsby David Copperfield • Paradise Lost • Walden • King Henry IV Pt. 1 • Don Quixote • Brave New World
Divine Comedy I – Inferno • Jane Eyre • Portrait of an Artist • Heart of Darkness & Secret Sharer

TIMS OF THE WEEK

APPLES AND ROCKETS, 16mm, color, sound, 4½ min. A nontechnical explanation of rocket fuels and their uses. Audience: grades 6-9. Purchase \$55 or rental \$7.50 from Image Arts Inc., 1058 Main St., Brockton, Mass.

CONSERVING OUR NATURAL RESOURCES. 16mm, color or b&w, sound, 17 min. Man takes from his environment materials which he uses to make his life easier. These are natural resources. Some natural resources, like soil, can be renewed, but they must also be protected. Other natural resources, like oil, are not renewable. Discusses the many problems remaining in solving the conserving of our natural resources. Audience: high school, college. Purchase: color \$190 or b&w \$110 from Film Associates. 11559 Santa Monica Blvd., Los Angeles, Calif. 90025.

EDUCATION UNDER A THATCHED ROOF.
16mm, b&w, sound, 19 min. The preparation and implementation of a unit-team teaching approach at a secondary school in Thailand are shown. The film contrasts these modern procedures with traditional ones. Examples include a unit on food sanitation, taught using audio-visual media, team-teaching, field trips, and materials made by pupils. Audience: teachers, general. Purchase \$130 or rental \$4.90 from Indiana University, Audio-Visual Center, Bloomington, Ind. 47401.

THE ER-I-E (The Erie Canal). 16mm, color, sound, 17 min. The history of the Erie Canal is traced through photographs, artwork and music of the era. The persistence of De Witt Clinton in convincing the Government that it should be built is captured. The lock system is described, and the present use of the canal, with its modern facilities shown. Audience: upper elementary high school, adult. Purchase \$300 from Bailey Films, 6509 De Longpre Ave., Hollywood, Calif. 90028.

JET PROPELLED. 16mm, b&w, sound, 52 min. The story of the invention of the jet engine is told with footage never before released and with special material filmed in England, Germany and the United States. Tells how Sir Frank Whittle first conceived and later built and flew the world's first jet aircraft which helped to save England from the menace of the buzz bomb late in World War II. Audience: general. Purchase \$250 or rental \$25 from Peter M. Robeck and Co., 230 Park Ave., New York, N.Y. 10017.

LITTLE WHITE CRIMES: A QUESTION OF ETHICS. 16mm. b&w, sound, 28 min. Depicts behavior patterns and situations of ethical conflict which exist in the business world. Focusing on the stress and pressures that lead a young executive to lie or steal, the film provides a vehicle for discussion about ethics in the business world and life in general. The film depicts situations in which the young executive finds himself, the motives underlying his behavior, and leaves open for discussion the alternate choices he might have made. Audience: counseling groups, business courses in high school and college. Purchase \$175 or rental \$8 from McGraw-Hill Films, Dept. DF, 330 W. 42nd St., New York, N.Y. 10036.

THE RED PLANET—MARS. 16mm, color, sound, 17 min. After a brief history of early studies of Mars. presents current information on the planet obtained from the most recent explorations. Telescopic photographs show seasonal changes and the atmosphere, and photographs taken by Mariner IV show the planet's surface in detail. Audience: high school, adult. Purchase color \$325 or b&w \$180 from International Film Bureau, 332 S. Michigan Ave., Chicago, Ill. 60604.

LETTERS

to the editor

A good job

Sir:

Re the story on the temperature and pressure of the atmosphere of Venus (SN 8/24, p. 179).

I think you have done a good job of explaining clearly and concisely the principal aspects of this problem. One small correction: the Jet Propulsion Laboratory is affiliated with the California Institute of Technology.

> V. R. Eshleman Professor and Co-Director Stanford Center for Radar Astronomy Stanford, Calif.

Sen. Dominick reacts

The article, "A Body Blow for Headstart" (SN: 8/3, p. 108) is filled with inaccuracies and irresponsible innuendoes. Obviously the author never read the amendment or the Senate debate. A substantially different amendment was offered by me on the floor last year, not in Committee, and lost on the argument that the timing was not yet right. Two years ago I offered an amendment in Committee for discussion.

None of the proposals, including my amendment which passed the Senate this year, remove Headstart programs and place them in local school districts, as this article would have us believe. Operation would continue by community action agencies, private nonprofit organizations, and, in some cases, local school districts. Top level supervision, not local operation, is shifted. Nor would Headstart be cut back to purely an educational program. Legislative debate makes clear our intent that the backbone of Headstart, parental and community involvement, will continue. And the statute would require a balanced program to meet the "edu-

SCIENCE NEWS

Copyright © 1968 by Science Service, Inc. Republication of any portion of SCIENCE NEWS is strictly prohibited.

Strictly prohibited.

Subscription rate: 1 yr., \$7.50; 2 yrs., \$13.50; 3 yrs., \$19.50. Special trial offer: 39 weeks, \$3.97. Single copy, 25 cents. No charge for foreign postage. Change of address: Three weeks' notice is required. Please state exactly how magazine is addressed. Include zip code. Printed in U.S.A. Second class postage paid at Washington, D. C. Established as Science News Letter® in mimeograph form March 13, 1922. Title registered as trademark U. S. and Canadian Patent Offices. Indexed in Reader's Guide to Periodical Literature, Abridged Guide and the Engineering Index. Member of Audit Bureau of Circulation. UNSOLICITED MANUSCRIPTS will not be returned unless accompanied by a stamped, self-addressed envelope.

Published every Saturday by SCIENCE SERVICE, Inc., 1719 N St., N.W., Washington, D. C. 20036. NOrth 7-2255. Cable Address: SCIENSERV.

ADVERTISING

D. Young, Advertising Director, SCIENCE NEWS, 1719 N St., N.W., Washington, D. C. 20036, one 202-667-8945.

Advertising Representatives: SCRIPPS-HOWARD NEWSPAPERS. General Advertising Department: 200 Park Ave., New York, N.Y., TN 7-5000; 400 N. Michigan Ave., Chicago, Ili., SU 7-3355; Suite 211, Braniff Building, Dallas, Tex., PL 7-3847; 908 E. Northland Tower, Southfield, Mich., 444-4595; 6363 Wilshire Blvd., Los Angeles, Calif., OL 3-0026; Room 1522, Philadelphia National Bank Building, Philadelphia, Pa., LO 3-6275; 100 California St., San Francisco, Calif., 989-5570; Suite 417, 3384 Peachtree Rd., N.E., Atlanta, Ga. 261-1571.

436/science news/vol. 94/2 november 1968

cational, nutritional, health, social and other unique needs of children from impoverished backgrounds." Participation would be limited to children from families meeting specified poverty standards, and Headstart would be within the Department of Health, Education and Welfare, where health and social services are administered.

My amendment writes the Headstart program into law by statute for the first time, instead of making passing reference to it and leaving the rest to the administrative whim of a Federal official in Washington. One result: better funding. Under OEO, money is not specifically set aside for Headstart, and the Administration has fought our attempts to earmark funds for it. The amendment earmarks \$375 million solely for Headstart, in excess of \$45 million more than it receives from the War on Poverty. Moreover, OEO only covers 80 percent of the cost of a project. The Dominick amendment covers 90 percent.

As you know, I serve on the Senate Education Subcommittee and Senate Labor and Public Welfare Committee, so I am thoroughly familiar with both education and poverty legislation. Some citizens contend Headstart should always remain with OEO, but testimony and other legislative history shows the agency was established to develop new programs, and once underway, the programs were to be placed with a permanent agency, not retained. As recently as one month before the Dominick amendment passed the Senate, Acting OEO Director Harding endorsed transfer of another program as "in line with longstanding OEO policy that projects should be shifted to other agencies when they have been fully developed and when the interests of poor people are adequately safeguarded by provisions for the transfer, thereby freeing OEO to innovate new approaches to the elimination of poverty." Sixty Senators (30 Republicans and 30 Democrats) agreed Headstart was developed, and those interests were protected by the language of the amendment.

I have always worked on behalf of Headstart, and only want to strengthen it.

(Senator) Peter H. Dominick Washington, D.C.

(It is exactly that shift in "top level supervision," mentioned by Senator Dominick, that Headstart supporters fear, as the Science News story points out. They believe it would turn Headstart into a typical nursery program since control would be placed in the hands of state educational establishments. In recent action, House-Senate negotiators turned down the Dominick amendment. The time is apparently still not right. Ed.)

UNUSUAL BARGAINS

SEE MUSIC IN DAZZLING ACTION (MOSIC) ISION)



See your favorite music translated into fantastically colorful patterns; each note creating its own unique, everchanging image in perfect time with the tereo, radio, tape recorder. Send

image in perfect time with the c. Easily attached to stereo, radio, tape recorder. Send n coin for 16-page booklet #99960.

5,151Q—WALNUT CABINET MODEL...\$99.50 FOB 11,030Q—8" SET _______ 45.00 Fpd.

1,009Q—8" DO-IT-YOURSELF KIT_____ 22.50 Ppd. ic. L. in coin fo 85,151Q-71,030Q-

WOODEN SOLID PUZZLES

12 Different puzzles that will stimulate your ability to think and reason. Fascinating assortment of wood puzzles that will provide hours of pleasure. Animals, and geometric forms to take apart and reassemble, for all the family, young and old, to test skill, patience and ability to solve problems. Stock No. 70,2050



\$4.00 Ppd.

NEW WORKING MODEL DIGITAL COMPUTER Actual Miniature Version of Giant Electronic Brains



Solves problems, teaches computer fundamentals. Adds, subtracts, multiplies, shifts, complements, carries, memorizes, counts, compares, sequences. Colored plastic parts easily assembled. 12" x 3\perp x 4\perp x 10.1 istep-by-step assembly diagrams, 32-page instruction book covering open problems and 15 experiments.

Stock No. 70,683Q ________\$5.98 Ppd.

IT'S HERE-BIG, NEW DIGICOMP II! Stock No. 70,946Q_____\$16.00 Ppd.

Order by Stock No.—Send Check or M.O.—Shipment same day received—Satisfaction or money back.

TEACHERS: Write for Educational Catalog Q-2



EDMUND SCIENTIFIC CO. 300 Edscorp Building Barrington, New Jersey 08007

Completely new 1969 Edit. 148 PAGES

-4000 UNUSUAL BARGAINS, Please
Rush Free Catalog "Q"

Name Address _____ City ____ State ___ Zip ____



ambassador?

Your \$5 sends John F. Kennedy's Profiles in Courage, and nine other carefully chosen American paperbacks, to underdeveloped, book-hungry countries where these books can do the most good. Ed Murrow started BOOKS USA "to help close the book gap." President Johnson says: "I urge all Americans to give BOOKS USA their generous support." Answer the President's appeal; send book packets abroad in your name. Send Food for Thought - Give to BOOKS USA, Box 1960-A, Washington, D.C. 20013.



Make checks payable to BOOKS USA. Contributions are tax-deductible. Space donated by this publication.



balances

There are basically just two kinds of calculators that make economic sense. If you can keep one of those \$800 electric machines whirring a good part of every working day then anything less is no bargain. But if you are a businessman, engineer, a shipping clerk or plant foreman (who figures bids and such), doctor, storekeeper -- anyone who spends even 30-minutes a day writing figures on paper — then this last word from Germany can definitely save you expensive time and costly mistakes, without making a major capital investment. The MULTATOR-4 not only multiplies and divides at a brisk clip, but it can perform tricks only a few of those very expensive machines have been taught: such as automatic reentry* and read-out of negative balances (book-keepers take note!). This compact wizard from Hamburg naturally extracts square roots, but then, quite a few of those expensive machines can do that also.

Buy a calculator by mail? Sight Unseen? It may be unorthodox, but it is the only way to buy the MULTATOR.4, and to buy it for \$89 .Because we are the only link between the manufacturer and you (the exclusive importer/retailer), you save the usual distributor/dealer/salesman markup.

Our Guarantee: It's simple. You may return the MULTATOR-4, for whatever reason (or for no reason at all) within two weeks. After that, the Guarantee covers material and workmanship for a full year. Needless to say, we maintain a complete spare parts and repair service.

 Capable of automatic re-entry other features found only in the most expensive calculators

ORDER	MULTATOR-4	FOR A	TW0	WEEK	TRIAL

- Please send me the MULTATOR-4 I enclose \$89 plus \$2 for postage & insurance. Please send me the metal, vinyl covered,
- foam lined Executive Carrying Case. \$10. California residents please add 5% tax.

C																

SN-1102

584 Washington St. San Francisco, 94111 (415) 981-5688