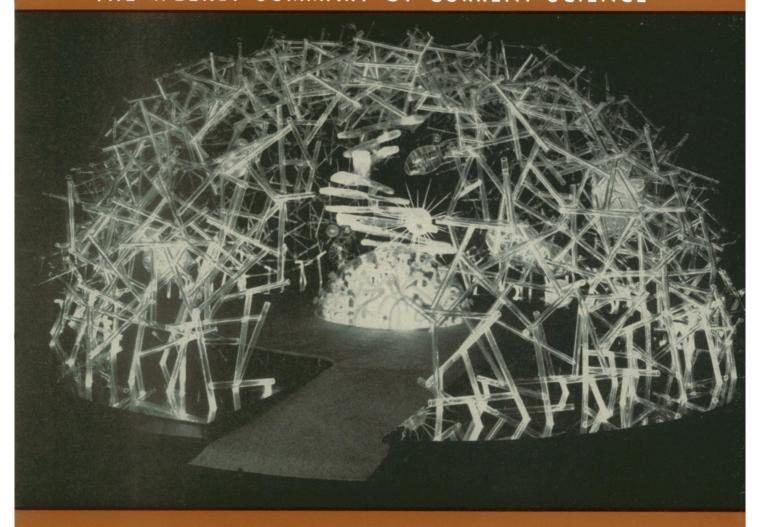
SCIENCE NEWS LETTER





THE WEEKLY SUMMARY OF CURRENT SCIENCE



Model Cell

See Page 398

A SCIENCE SERVICE PUBLICATION

Why the 4-inch DYNASCOPE Reflector

is now used and approved by over 40 colleges and professional institutions



Compare These Advances:

- 1) 4-INCH PARABOLIC PYREX MIRROR aluminized and overlaid with zircon quartz for maximum life!
- 2) 3 ACHROMATIC EYEPIECES 18-mm. Huygens, 9-mm. Ramsden, 7-mm. Ramsden-providing 65X, 130X and 167X!
- 4) 4-POWER Achromatic FINDER SCOPE With Cross Hairs
- 5) NEW IMPROVED MOUNT—fine equatorial with free moving polar axis, Adjustable for Altazimuth, too.
- 6) SIMPLE LATITUDE ADJUSTMENT—making your instrument usable anywhere in the world.
- 7) ALL-BAKELITE TUBE, brass-trimmed! 8) CLAMPS ON BOTH AXES—adjust instantly and permit smooth setting of either axis.
- 9) 33" hardwood folding TRIPOD!

A SCIENTIFIC INSTRUMENT OF HIGH CALIBER AT LOW COST!

There's an excellent reason why the 4-inch DYNASCOPE Reflector is now the instrument used, approved and recommended by more and more schools, colleges, planetariums and professional astronomers. It is the remarkable scientific accuracy and engineering balance built into this complete telescope — at an incredibly low price! If you were to purchase the parts and assemble them yourself, you would spend that the parts are unboard of low price of this precision. much more than the unheard of low price of this precision instrument. And in building your own telescope you could never hope to attain the accuracy and co-ordination of parts

that have been engineered into the Dynascope. The 4-inch parabolic mirror produces exquisite definition of all the bright planets and is fully capable of splitting close or all the origin planers and is fully capable or spining close double stars. (Note: the 4-inch mirror gathers 1/3 more light double stars. (Note: the 4-line) finished to exacting specifications than a $3\frac{1}{2}$ -inch mirror!) Finished to exacting specifications and guaranteed to perform to the Dawes' limit of resolution for its size! A 4-inch parabolic mirror of such quality has tor its size! A 4-inch parabolic mirror of such quality has only been obtainable in the highest-priced instruments up to now!

Manufactured and Sold Only By

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PROOF OF SUPERIORITY

(On Request — we will send a list of noted institutions now using the 4" DYNASCOPE)

TESTIMONIALS:

From An Observer

On clear "good-seeing" nights my Dynascope easily reveals the Alpine Valley and the Straight Wall on the Moon, as well as three peaks in the floor of the Plato ring plain. It will split the star Mizar into its major components clearly. It will separate Saturn's rings and show six bands on the face of Jupiter. Also it will project a two-foot diameter disk of the sun showing sunspots in vivid detail . . as an Englishman might express it, "Dynascope optics are a little bit of all right." —VICTOR W. KILLICK, in charge of Astronomical Observatory, Sacramento Junior College, Calif. On clear "good-seeing" nights

Many Years of Experience

. . . I have had many years of experience in astronomy, and as junior leader here in Atlanta I always recommend Dynascope. —LEONARD B. ABBEY, Jr., De-

Cannot Be Equaled

I still don't see how you can produce a parabolic mirror of this focal ratio at the price . . . Epsilon Lyra was quite easy . . . on the 130 power ocular. I was more than pleased when it resolved this double double as four tiny, sharp, brilliant gems . . with the diffraction rings concentric

the diffraction rings concentric and sharp.
. . For the price you ask, I do not believe that it can be equaled in any way. The oculars are excellent, and the entire in-strument shows careful workman-ship. How you do it is beyond me. —G. N. JOHNSTONE, Albu-querque, N.M.

Dept. S	on Manufacturing Company ND-41, urch Street, Hartford 1, Conn.
Ge	entlemen:
	Enclosed find payment of \$49.95. Please ship me promptly, subject to your money back guarantee, 4-inch DYNASCOPE Telescope with 9 advanced features.
	Send me FREE Illustrated literature on new 6"-8"-10"-12"-16" Dynascopes
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F.O.B. Hartford, Conn. Shipping Weight 16 lbs.

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Encouraging Science Talent . . .



THE NATIONAL SCIENCE YOUTH PROGRAM

The Science Service National Science Youth Program, dedicated to the development of science talent among youth, in operation since 1941, is effective, widespread and resultful in acquainting youth with science and technology.

About 487,000 boys and girls in junior and senior secondary schools participate in 19,500 science clubs affiliated, at no cost, with Science Clubs of America, sponsored by Science Service. With the basic material furnished, these groups conduct, inspire and encourage science experiment and experience predominantly through the six golden years of pre-college education.

There are each March or April, science fairs organized through encouragement and distribution of "know-how" by Science Service. Science fairs were held in 1958 in about 150 areas in the nation. Some 470,000 youths annually show their science and technology exhibits and projects in the fairs and in the preliminary fairs held in high schools. As top awards, contestants in local and regional fairs are sent to the National Science Fair, conducted by Science Service in a different city each May. More than 325 students will attend the 10th National Science Fair in Hartford, Connecticut, May 6, 7, 8, 9, 1959.

Science fairs are conducted by local organizations that enlist participation of school systems, colleges, industries, newspapers, service clubs, museums, etc. This is a "grass-roots" operation which reaches youth with directness. Good teachers espouse and encourage it. All the science factors in a community can cooperate. The hope

is that there will be a science fair available to every interested student. Now, well over a half of the nation is covered geographically. State academies of science and other science groups are taking leadership in the movement, cooperating with Science Service.

The annual Science Talent Search for the Westinghouse Science Scholarships and Awards, conducted by Science Service, the 18th of which is now in progress, selects from all the high school seniors of continental United States, those whose scientific skill, talent and ability indicate a potential creative originality.

The Science Talent Search is the pioneering demonstration that successful scientists of the future can be spotted at the high school level. Studies of 40 winners and 260 honorable mentions chosen each year show that they fulfill magnificently their expectations, more than half going on to doctoral degrees. Entrants in 32 states have the opportunity of further recognition in State Searches.

Experimental kits (THINGS of science, etc.), magazines (SCIENCE NEWS LETTER and CHEMISTRY), services to newspapers, radio programs, etc., are Science Service activities that support and implement the science youth program.

Additional participation in this national science youth program, at national and local levels, will augment the future supply of scientists and engineers.

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