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your money can buy
NEW ALL-TRANSISTOR



Schober
ELECTRONIC
ORGAN

meets AGO
specifications

New Recital Model
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PIPE ORGAN TONE—all four
families of pipe tone in all
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plus **FULL THEATRE AND CHURCH VOICING,**
PERCUSSION, many other quality features!

How is it possible to acquire the skill
needed to build a splendid organ—without
any previous knowledge of electronics or
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While the complete organ is a complex
instrument, Schober Organ kits are specially
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You save costly factory assembly, retail
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musical parts. You enjoy the finest instru-
ment your money can buy.

Schober Organ kits cost as little as \$550
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by ordering in sections.

THE **Schober Organ** CORPORATION
NEW YORK, N. Y. 10023

SEND FOR FREE CATALOG
WITH FREE "SAMPLER" RECORD

The Schober Organ Corp., Dept. SN-5
43 West 61st Street, New York, N. Y. 10023

Please send me without cost or obligation
FREE SCHOBER ORGAN Booklet describing
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7-inch "sampler" record included.

Enclosed find \$2 for high-quality LP 10"
SCHOBER RECORD DEMONSTRATING all three
models with different music (\$2 refunded
with purchase of first kit).

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GENERAL SCIENCE

Testing Begun in Top U.S. Science Competition

► **THE NATION'S TOP TEST** for find-
ing potential creative scientists of the future
is being given this month. Thousands of
high school seniors throughout the United
States are competing voluntarily in the 24th
Westinghouse Science Scholarships, con-
ducted by **SCIENCE SERVICE**.

The test, designed to measure ability to
think and reason along scientific lines, is
given in public, private and parochial
schools during a two-hour session. In addi-
tion to the test, the applicant must write
a report of a scientific project on which he
has been working, and a personal data
blank must be filled in by the student and
the school officials. All materials must reach
SCIENCE SERVICE headquarters in Wash-
ington, D.C., by midnight, Dec. 27.

Approximately ten percent of the students
who fulfill all the entry requirements will
be named to an honors group and recom-
mended to colleges and universities for ad-
mission and scholarship grants. From the
honors group, 40 top winners will be
selected to come to Washington for the
Science Talent Institute, Feb. 24 through
March 1.

During the Institute the 40 winners will
be interviewed and their potential ability
further evaluated by a board of judges to
determine the distribution of \$34,250 in
science scholarships and awards provided
by the Westinghouse Educational Founda-
tion.

Entry in the national competition pro-
vides automatic entry in the State Science
Talent Searches which are based on the
national search. Thus a double chance is
given to students in most of the states.

• Science News Letter, 86:372 December 12, 1964

MEDICINE

Simple Dye Test Spots Newborns With Defect

► **A NEW INEXPENSIVE TEST** to find
out if newborn babies have the hereditary
fatal disease, galactosemia, uses a mixture
containing blue dye.

Dr. Ernest Beutler of the City of Hope
Medical Center, Duarte, Calif., added a small
blood sample to the mixture, which can be
used to identify adult carriers as well as
babies with the disease. In normal persons
the mixture turns red, but if galactosemia
is present the blue color is unchanged.

Children with this disease are born with
a defect in cell chemistry that makes them
unable to utilize galactose, a milk sugar,
normally. Unless the condition is detected
and treated, it causes eye and liver damage,
mental retardation and, eventually, death.

Diet substitutes for cow's or mother's
milk allow such children to develop nor-
mally. Therefore, early diagnosis is vital.

While previous tests have been complex,
costly and time-consuming, this new method
is easily adaptable for routine testing of new-
borns in any well-equipped laboratory.

Dr. Beutler reported his findings in the
Journal of Laboratory and Clinical Medicine.

• Science News Letter, 86:372 December 12, 1964

Questions

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to kill insects? p. 379.

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skipper a greater opportunity than most other
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