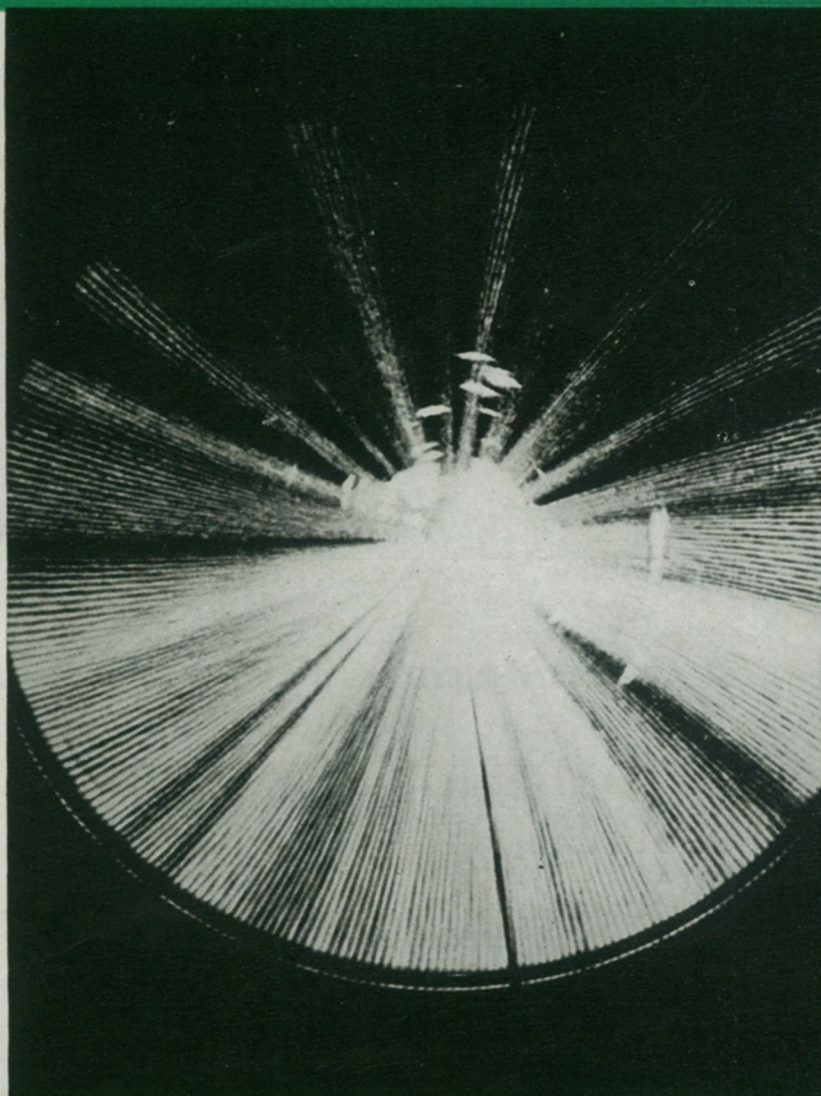
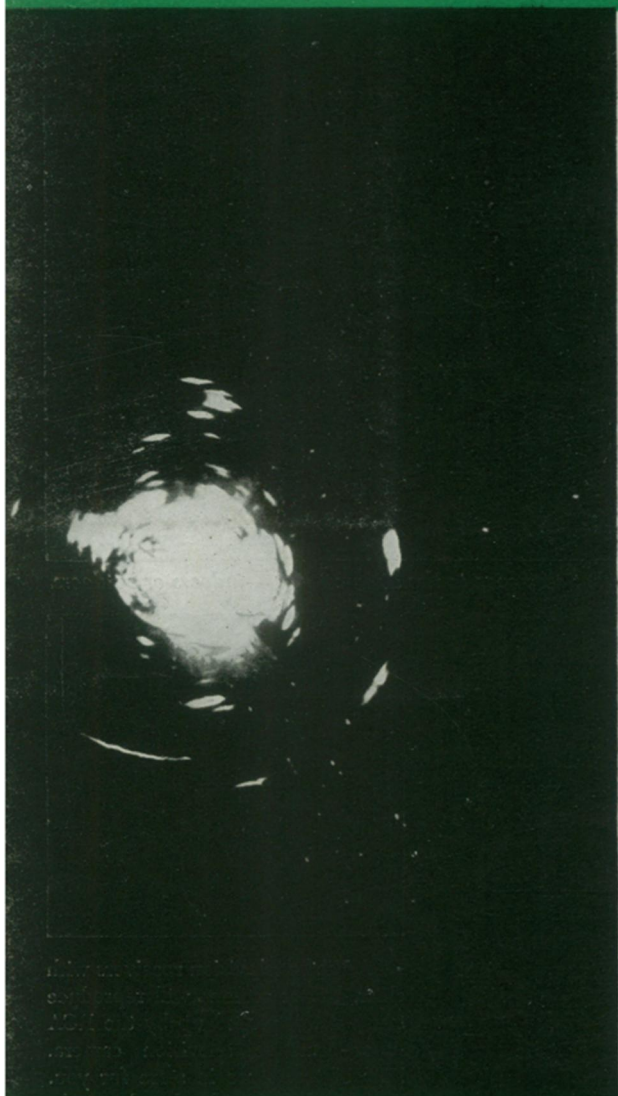


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SCIENCE NEWS LETTER

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Interference
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A SCIENCE SERVICE PUBLICATION



RCA's new television camera has a super-sensitive "eye" that sees even in the dimmest light—indoors or outdoors.

A television camera "with the eyes of a cat"

As a result of RCA research, television broadcasts will no longer be confined to brilliantly illuminated special studios—nor will outdoor events fade as the afternoon sun goes down.

For RCA Laboratories has perfected a new television camera tube, known as Image Orthicon. This tube, a hundred times more sensitive than other electronic "eyes," can pick up scenes lit by candlelight, or by the light of a single match!

This super-sensitive camera opens new fields for television. Operas, plays, ballets will be televised from their original performances in the darkened theater. Out-

door events will remain sharp and clear on your television set—until the very end! Television now can go places it could never go before.

From such research come the latest advances in radio, television, recording—all branches of electronics. RCA Laboratories is your assurance that when you buy any RCA product you become the owner of one of the finest instruments of its kind that science has achieved.

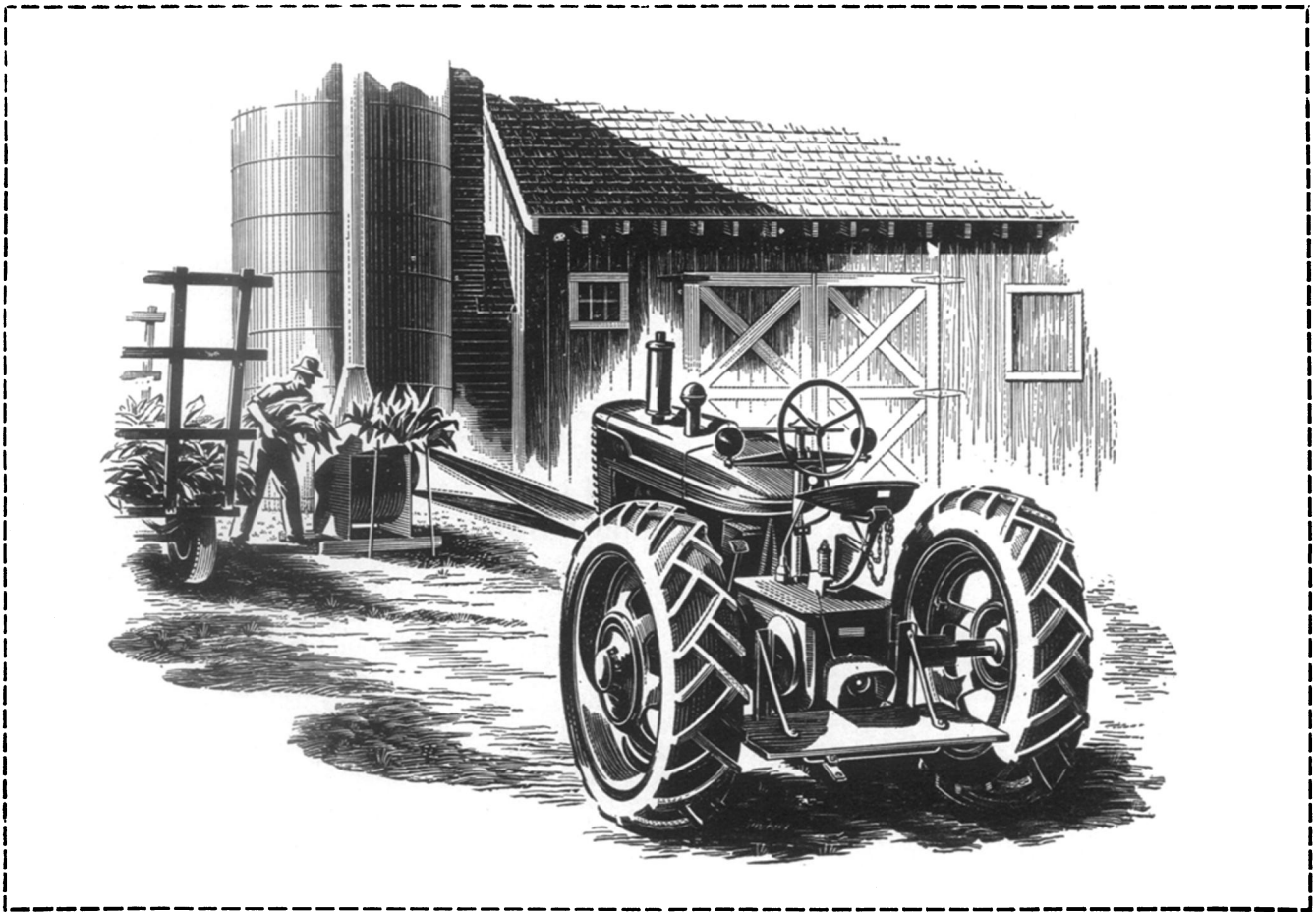
Radio Corporation of America, RCA Building, Radio City, New York 20. Listen to *The RCA Show*, Sundays, 4:30 P. M., Eastern Time, over NBC.



RCA Victor television receivers with clear, bright screens will reproduce every detail picked up by the RCA super-sensitive television camera. Lots of treats are in store for you. Even today, hundreds of people around New York enjoy regular weekly boxing bouts and other events over NBC's television station WNBT.



RADIO CORPORATION of AMERICA



HORSES THAT DO THE CHORES—AS WELL AS PLOW

TIME was when a farmer was glad to have a team of good horses to do his work. Today, in his tractor, the American farmer has anywhere from ten to forty horsepower.

And these "horses" can do a lot more than pull a plow or other field rig. They can grind feed, fill silos, saw wood, lift hay, clean barns and do dozens of other jobs. The modern tractor is really a portable power plant.

But tractors haven't always been so versatile. Only a little more than a decade ago, tractors were generally powered by cumbersome, hard-to-start, slow-moving engines burning kerosene or other low-grade fuels. Then the high compression principle, already developed in automobile and airplane engines, was adopted by the farm machinery industry.

Engines were redesigned to take advantage of gasoline, and great increases in the power and flexibility of tractors resulted . . . giving the

farmer a ready, convenient source of power at all times. In this evolution of the present compact, inexpensive tractor the Ethyl Corporation was privileged to play a unique part—though we neither manufacture tractor engines nor refine gasoline.

Our product is the antiknock fluid used by practically all petroleum refiners to improve the antiknock quality of their gasoline. Higher octane gasoline, in turn, permits the building of more efficient engines. In order that the ultimate user of power—in this instance, the farmer—may realize the greatest benefit from antiknock fluid, our research engineers work with both engine builders and petroleum refiners in finding answers to the many complex problems of engines, fuels and lubricants. The modern high compression tractor was a direct product of such cooperative work.



More power from every gallon of gasoline through

RESEARCH • SERVICE • PRODUCTS

ETHYL CORPORATION, Chrysler Building, New York 17, N. Y.