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OCTOBER 22, 1949

# SCIENCE NEWS LETTER

THE WEEKLY SUMMARY OF CURRENT SCIENCE



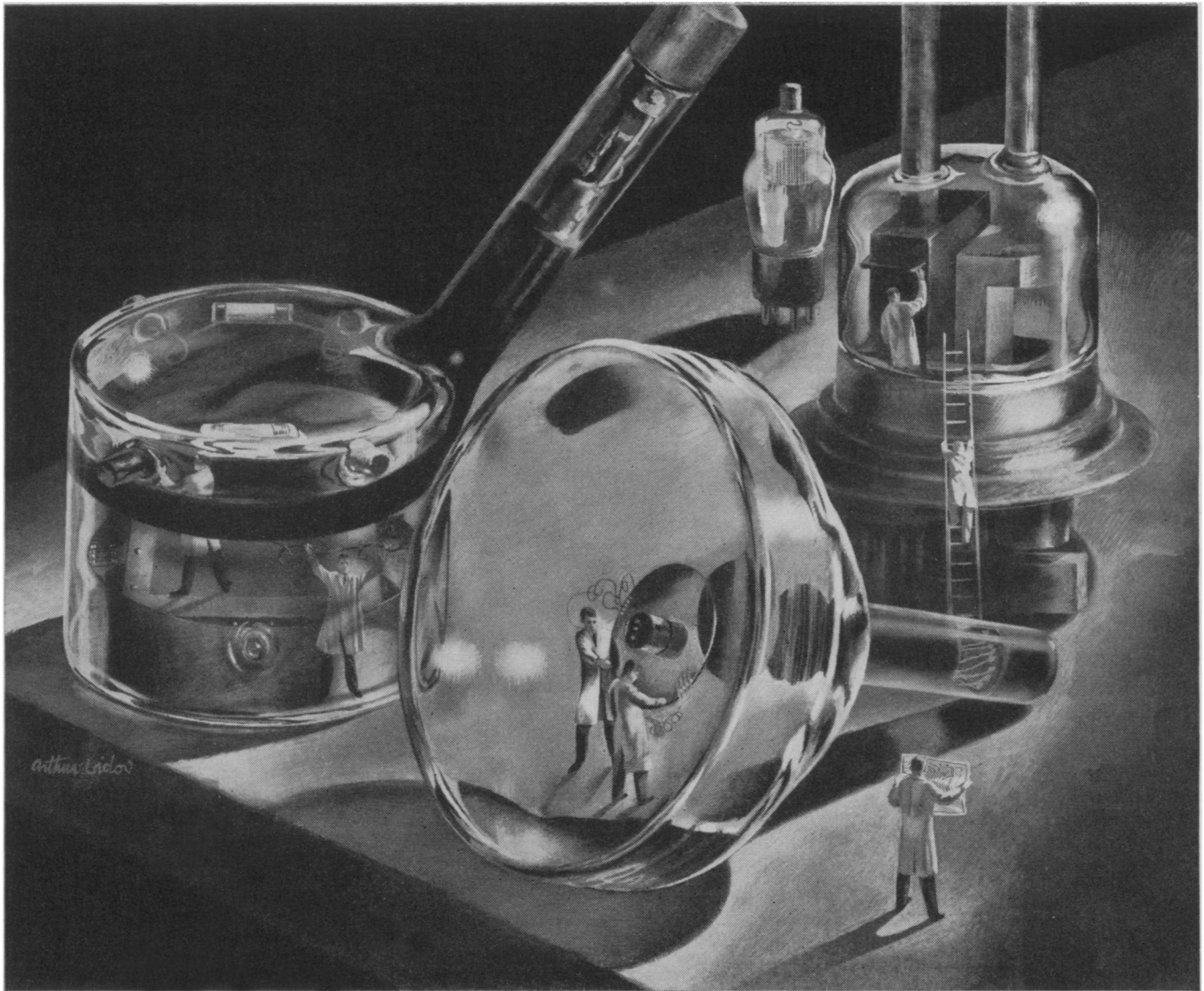
## Stockpiling Blood

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Scientists at RCA Laboratories solve exacting problems within the "nothingness" of vacuum tubes.

## *Inside story of Better Television*

Now television is flashing *visual* entertainment, news, and educational material to millions of people. The "inside story" of its rapid growth is the history of some remarkable tubes. Inside these tubes, electrons are put to work—to perform, for your benefit, the miracle of long-distance vision.

The screen of your direct-view television receiver is actually the face of a tube—the kinescope developed by Dr. V. K. Zworykin and his colleagues of RCA Laboratories—on which electrons in motion "paint" pic-

tures. A tube, too, is the "eye" of RCA's supersensitive Image Orthicon television camera, which can "see" clearly by the light of a match.

And since you asked for big-picture television, they developed projection receivers—also a way to "weld" glass and metal, thus speeding the production of 16-inch direct-viewing tubes . . . at lower cost.

To these basic "firsts," RCA scientists have added advance after advance, which are daily bringing television into the lives of more and more people.

### **How you profit**

Advanced research in television tubes is just one way in which RCA Laboratories work in your interest. Their leadership in science and engineering adds *value beyond price* to any product or service of RCA and RCA Victor.

*Examples of the newest advances in radio, television, and electronics—in action—may be seen at RCA Exhibition Hall, 36 West 49th Street, New York. Admission is free. Radio Corporation of America, Radio City, New York 20.*



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# Teachers: HELP FOR YOU AND YOUR STUDENTS

"I think that SCIENCE NEWS LETTER is without doubt, the best way for a science teacher to get *the most for his money.*" A. RALPH BOX-ELL, Clinton High School, Clinton, Missouri.

"I read SCIENCE NEWS LETTER *as regularly* as my daily and *more closely.* It gives me much of what I need." J. S. STANFORD, Assoc. Prof. of Zoology and Entomology, Utah State Agricultural College, Logan, Utah.

"Since I'm a senior in high school this year, I plan to enter the Science Talent Search. It gives me great pleasure to inform you that I have found *no better magazine* for reviewing the events of modern science than SCIENCE NEWS LETTER. My only regret is that I did not subscribe to it sooner than I did." JOHN KAUFMAN, Grinnell, Iowa.

"I take this opportunity to tell you that I am enjoying SCIENCE NEWS LETTER very much. It is a *clear, concise, and comprehensive digest* of current science. I find it very helpful in my science work." SISTER LORETTO THOMAS, St. Joseph High School, Pittsfield, Massachusetts.

"Our Superintendent and the Principal of our school thought SCIENCE NEWS LETTER so fine and valuable to the Science department that *they have paid for three subscriptions* to our school, one for each of the science teachers. I have a copy in my room each week and could not do without it. Many of my seventh grade students also read the paper. It is valuable for keeping me abreast of the times in science." NETTIE M. WISMER, Lawrence, Kansas.

"The kids (ages 6-10-11) *go for it each week—swell.*" LT. COMDR. H. SEIELSTAD, U. S. Coast Guard, Cleveland, Ohio.

"I teach General Science in the Junior Part of the School, and naturally have to keep up to date in order to answer all the questions the children are so anxious to ask. It is hardly necessary for me to say *how welcome the postman is, when he brings another issue of SCIENCE NEWS LETTER!*" J. KENNETH BROWN, c/o Friends School, Hobart, Tasmania, Australia.

"I read your magazine and I think it is wonderful! *It should be in all schools* to promote science and American ingenuity." J. S. BACON, Breaux Bridge, Louisiana.

"I just got a term paper, my first, back with an 'A' on it. This grade is *largely a result of your magazine.*" BILL NORTON, Marshalltown, Iowa.

## Read comments of Teachers, Students and Parents at left

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