

Young Inventor Learns New Things About Light; Result: New Industry

Washington—If you are a motorist who is sometimes annoyed by the glare of lights from an approaching car at night, you will be especially interested in the work these days of a young scientist in Boston, Mass.

That young man already has built an entirely new industry around some of his discoveries about light, and if the predictions of some engineers are true, it will be many years before his will be an even greater industry giving invention-created jobs to many thousands of persons.

The young scientist is Edwin H. Land. He has invented—and patented—a method for the control of light rays. The method is known as "polarizing." Windows, screens and night driving are expected to be considerably different in a few years hence because of it. Already his method of "non-strobing light" has improved sunglasses and photography.

Mr. Land is only 30 now. His amazing discoveries about light began when he was still in his teens. In those early days he studied methods of "polarizing" light in a rudimentary home laboratory. Later, in Harvard University physics laboratory, Mr. Land could be found several days a week in long after-class discussions with his physics professor. The professor was George Wheelwright, who is now Vice President of the Polaroid Corporation headed by Mr. Land.

The "polarizing" process was first made public in 1935. It appeared then in sunglasses, light filters for cameras and anti-glare desk lamps, while experiments continued with methods for applying it to anti-glare auto headlights, windows and three-dimensional movies.

In sunglasses and cameras the

result has been that glare has been eliminated. For "polarization" of light means that only straight rays of light pass through the lens. The best test of polarized sunglasses is on the water, where the usual glare on the surface—caused by the "straggling" rays of light from the water—is eliminated. Fish can be seen—and photographed—under water because of this elimination.

This was dramatized early in the history of the Polaroid Corporation. Young Land, wanting to demonstrate the value of his discovery, asked a representative of a large optical company to see a demonstration. Rather than ask the man to his humble basement laboratory, however, he rented a Boston hotel room for the demonstration. In a window he placed a large goldfish bowl. He placed the bowl in such a position that the sun reflected from its surface. He then asked the representative to look down into the bowl and see if there were any fish in it. The sun's glare, however, prevented the man from seeing into the bowl. Handed a pair of glasses with "polarized" lenses, he was asked again to look into the bowl. That time he saw the fish, and signed the contract.

Polarized windows can be made that will permit any desired amount of light to enter by simply turning a handle; experiments show that three-dimensional movies will appear on the screen in life-like fashion.

The experiments with anti-glare automobile headlights are still going on, but they show thus far that it is not "wishful thinking" to vision the time soon when the lights of an approaching car, no matter how powerful, will appear to another motorist only as two purple "blobs" on the road.

Safety organizations and insurance companies are especially interested in that part of Mr. Land's experimenting. To them "polarized" automobile headlights and windshields are looked to hopefully as a step toward increased safety in night driving and the saving of many lives. When this process is perfected, they believe, there will be a great many living tributes to the genius of the young man who began in his teens to learn interesting things about light and ways to control it.

EXTENDED

The U. S. Department of Agriculture has announced that the Food Order Stamp Plan for distributing surplus agricultural commodities will be extended to Greenville, S. C., and the rest of Greenville county.

They tell about the Scotchman who is learning the Braille system—so that he can do his evening reading without running up the electric light bill.

Roosevelt Grows Weary Of Third Term Questioning

Terms Queries Annoying; Figures Favorable To New Deal Cited

Hyde Park, N. Y., Feb. 5.—President Roosevelt used up the latter part of an hour today to emphasize that he was weary of being harassed about his third term intentions.

Too, indirectly he pumped figures favorable to the new deal at some of those who want to succeed him in the White House. Attempts of newsmen to lure him into disclosing his stand on a third term, the President said at a press conference, have been awfully amusing and have produced some perfectly grand wise cracks on his part and theirs.

Suggesting that they quit trying to draw him out, however, the Chief Executive declared that when anything was said it would be at a time chosen by himself and not by newspaper editors. After all, he asserted, you can drive a willing horse to death—both the press and the President.

While he said in no uncertain terms he was tired of all the third term antics at his press conferences it was indirect that Mr. Roosevelt supplied an answer to critics of his domestic policies.

He took no note by name of men like New York County District Attorney Thomas E. Dewey, Senator Taft (R), Ohio, and Frank Gannett, newspaper publisher, who have lambasted the administration in speeches in which they have campaigned for the Republican presidential nomination.

Nor did he speak of some executives of the American Federation of Labor who took potshots at the new deal yesterday from Miami, where the federation's executive committee met.

Advances Cited
Mr. Roosevelt merely read to reporters a list of figures, with a few comments interpolated, which were designed to show there were big advances in national income, wages and salaries, factory pay rolls, farm income, dividend receipts, exports and nonagricultural employment between 1932 and 1939.

These are pretty formidable figures he commented, to take on and try to show that the country is as he put it, bust.

Again, as in a message to Congress in January 1939, Mr. Roosevelt said the administration was aiming at a national income of \$80,000,000,000 a year—an income which he said would permit a budget that would be a little better than balanced.

There seems to be no question at all he said, that there would be a balanced budget if the national income reached that level, since obviously federal expendi-

Retail Sales For Nation During Past Year Reveal Increase of 2 1/2 Billions

Washington, Feb. 4.—Retail sales in 1939 amounted to \$27,500,000,000, an increase of \$2,500,000,000 over 1938, the commerce department estimated today.

The 1939 figure was about \$3,000,000,000 under the 1937 recovery peak. Half of this difference was attributed by the department to lower prices and half to smaller sales in the automobile field.

Secretary Hopkins, in announcing the estimates, said that the upswing was shared by all major business groups. Although automobile sales were below 1937, they increased 28 per cent over 1938. Mail order houses showed the greatest gain in general merchandise sales with a 12 per cent increase.

A less favorable outlook for 1940 was forecast by the C. I. O. today in its monthly survey of

business conditions. The labor organization's economic outlook listed the current economy drive in Congress as the major "depressing" factor. It said others were:

A "substantial" decline in steel production, which it said would come in the first quarter of 1940.

Sharp declines in production and employment in the automobile industry, said to be "coming soon."

A "continuing decline" in orders for basic raw materials.

Failure of private investment to pick up.

The survey contended that the federal budget played "the chief role among the depressing factors". Curtailment of the government's contribution of purchasing power by reduction of WPA expenditures, the survey added, "will result in a sharp drop in consumers' expenditures."

107,621 Workers Put On Jobs During Year

Raleigh.—During the calendar year 1939, the Employment Service Division of the North Carolina Unemployment Compensation Commission placed a total of 107,621 workers in jobs as compared with total registrations and renewals of 845,005.

Of these 107,621 placements during the year, 63,429 were in private jobs, 36,356 of which were in regular employment in private industry, 27,073 were temporary employment in private industry, and 44,194 were in public activities.

During the past calendar year, the active file was reduced by 66,169, a drop of 43 per cent, which is exactly equivalent to the ratio decline in registrations. These figures indicate the improvement in industry and work conditions in North Carolina over the preceding year of 1938.

Large quantities of agricultural produce was said to be moving into domestic consumption channels at prices averaging higher than a year ago.

The department emphasized, however, that the purchasing power of farm products in terms of non-farm goods and services continued below the pre-world war level. It is the goal of the department's farm programs to restore prices to a level which would give farm products purchasing power equal to that of the 1910-14 period.

Although prices of most farm commodities are higher than they were last winter, prices are lower for tobacco, hogs, poultry and eggs. The supply of tobacco is the largest on record, the European market has been shut off as a result of the war; the 1939 pig crop was the largest in 16 years, and production of poultry and eggs has been unusually heavy this winter.

Of course a lot of people do not want to balance the budget by attaining an income of \$80,000,000,000, he remarked. They want to cut government expenditures immediately, he said, and in such a drastic manner that there would be another recession like that which started in the fall of 1937 and continued until the spring of 1939.

Larger Income For Farmers Is Seen

Washington, Feb. 4.—The agriculture department predicted today that American farmers would receive a larger cash income during the early months of 1940 than in the same months last year.

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1,100 Fighting Ships Are Sold

U. S. Factories Deliver Air Equipment To Allied Forces

Washington, Feb. 5.—Busy American aircraft plants have delivered more than 1,100 warplanes to the British and French fighting forces, an authoritative compilation showed today.

The two governments together have placed orders for approximately 4,000 planes since they first turned to the United States for help 18 months ago.

Current negotiations for upwards of 8,000 additional bombers, pursuit craft and other types, which Secretary Morgenthau is watching to protect this government's interests, testify further to allied reliance on American factories.

These and existing unfilled orders, coupled with the pressure for speed from purchasing missions, promise to step up materially the recent delivery rate of more than 100 craft a month.

Since War Began
More than 300 planes have been loaded on merchant ships or tugged across the Canadian border since the European war started. Most of the other planes were delivered last spring and summer.

France first turned to the United States to supplement her own lagging warplane output in mid-1938, but British and French orders did not become large until after the Munich crisis dramatized the threat of the Nazis' air force.

In addition to the British and French contracts, about 1,000 American planes have been ordered by other governments.

The compilation covered two years ending Jan. 31, but many details were confidential. Officials would permit disclosure of only round-figure totals.

Actual deliveries thus far roughly equal a month's full production of Britain's aircraft industry. Expert information here is that British and French production is far below the 2,000 to 2,200 planes a month credited to the Nazi factories.

THE BEST OF US

"You're lazy, you're worthless, you're bad-tempered, you're shiftless, and you're a thorough liar."
"Well, my dear, no man is perfect."

PERFECT
"I envy the man who sang the tenor solo."
"Really? I thought he had a rotten voice."
"So did I, but just think of his nerve."

ADMINISTRATOR'S NOTICE

Having qualified as administrator of the estate of Mrs. W. V. Williams, late of Wilkes county, N. C., this is to notify all persons having claims against said estate to present them to the undersigned, whose address is North Wilkesboro, N. C., duly verified, on or before the 11th day of January, 1941, or this notice will be plead in bar of their right to recover. All persons indebted to said estate will please make immediate settlement.

This 11th day of January, 1940.
J. B. WILLIAMS,
Administrator of the estate of Mrs. W. V. Williams, dec'd.

ADMINISTRATOR'S NOTICE

Having qualified as administrator of the estate of Robert Adams, late of Wilkes county, N. C., this is to notify all persons having claims against the said estate to present them to the undersigned, whose address is North Wilkesboro, N. C., duly verified, on or before the 17th day of January, 1941, or this notice will be plead in bar of their right to recover. All persons indebted to said estate will please make immediate settlement.

This 17th day of January, 1940.
JOHNSON SANDERS,
Administrator of the estate of Robert Adams, dec'd.

WILLIAMS MOTOR CO.

TELEPHONE 384-J
T. H. Williams, Owner
Oldsmobile Sales-Service
Bear Frame Service and Wheel Alignment
General Auto Repairing
Wrecker Service—Electric and Acetylene Welding
USED PARTS—For all makes and models of cars and trucks

How To Relieve Bronchitis

Bronchitis, acute or chronic, is an inflammatory condition of the mucous membranes lining the bronchial tubes. Creomulsion goes right to the seat of the trouble to loosen germ laden phlegm, increase secretion and aid nature to soothe and heal raw, tender, inflamed bronchial mucous membranes. Tell your druggist to sell you a bottle of Creomulsion with the understanding that you are to take the way it quickly alleviates the cough if you are to have your money back.

CREOMULSION

for Coughs, Chest Colds, Bronchitis

NOTICE IN THE SUPERIOR COURT SERVICE BY PUBLICATION

North Carolina, Wilkes County
Wilkes County
Va.-Car. Mica Co., Inc.
The defendant above-named will take notice that an action entitled as above has been commenced in the Superior Court of Wilkes County, North Carolina, for the purpose of foreclosing a tax certificate and sale of land, and the said defendant will further take notice that it is required to appear at the office of the Clerk of the Superior Court of Wilkes County within 30 days from this date and answer the said complaint as required by law or the plaintiff will apply to the court for the relief demanded in said complaint.

C. C. HAYES,
Clerk of the Superior Court
This the 16th day of January, 1940. 2-9-4t

NOTICE OF SALE OF REAL ESTATE

North Carolina, Wilkes County.
BY VIRTUE of the powers contained in a certain deed of trust executed by Lester Queen and wife, Annabelle Queen, to the undersigned trustee, on the 20th day of October, 1938, and recorded in the office of the Register of Deeds of Wilkes County in Book 184, page 292, said deed of trust being to secure a note of even date therein executed, and default having been made in the payment of same, I will, on Monday, February 19, 1940, at one o'clock, P. M., at the courthouse door in the town of Wilkesboro, North Carolina, offer for sale to the highest bidder, for cash, the following described tract of land, to-wit:

BEGINNING on a stake on the South side of J. Street, 50 feet Eastwardly from the South Corner of J. Street and 4th Street, and running South 27 degrees East parallel with 4th Street, 140 degrees to an alley; thence running North 82 degrees and 33 minutes East along the North Side of said alley; 50 feet to a stake; thence North 27 degrees and 27 minutes West parallel with 4th Street, 140 feet to J. Street; thence South 82 degrees and 33 minutes West, along the South side of J. Street, 50 feet to the beginning, 7000 square feet, said land being Lot No. 14 Block No. 88 as shown on "Tregon's Map of the Town of North Wilkesboro, N. C."

This the 16th day of January, 1940.

ALLIE HAYES,
Trustee
By: JOHN R. JONES,
Attorney

HELP FOR DAYS OF DISCOMFORT

TO CHESTERS PILLS fill the functional periodic pain and discomfort usually associated with menstruation. Ask your druggist.

CHESTERS PILLS

MADE IN U. S. A. 20 YEARS

TAXI SERVICE

Low Rates — Careful Drivers
—PHONE 431—
Call Us For A 15c Cab Saturday and Sunday 25c

WILKES CABS

North Wilkesboro, N. C.

This Spring You'll Want at Least 2 "Soft Suits"

Dressmaker Styled

Soft Suits

in shetland, jersey, and twills pastel colors and navy . . . battonials of buttons and carry all pockets make these up to minute news.

\$10.95 to \$19.95

Spainhour-Sydnor

She'll be proud of her NEW SPRING OUTFIT

Because It Came From Spainhour's

Cute New Spring DRESSES

One and two piece print and solid color dresses for the 1 to 14 year olders . . . also 3-piece group at \$3.95 . . . Darling pleats, and tucks with jackets and boleros make these dresses the pride of any daughters—and they tub beautifully . . .

\$1.00 to \$3.95

Girls' New Spring COATS

Cute styled coats in sizes 4 to 14—carefully tailored of nice woolsens in colors daughters love to wear, and mothers like to buy . . . Easter is March 24th.

\$5.95 to \$10.95

Girls' New Spring TOPPERS

Girls 8 to 16 fleece toppers in darling styles and colors—Easter will soon be here . . .

\$2.98 \$3.95

Spainhour-Sydnor

Budget Priced! Just Arrived FASHIONS In Our Basement

A BREATH OF SPRING IN ONE OF THESE NEW DRESSES

Beautiful you, in one of these new pastel print or solid color rayon crepe dresses, . . . pique and lace trims . . . superb styles and workmanship at this low price—why not blossom out for spring now.

\$1.98 Others \$2.98 and \$3.98

BUY NOW—USE OUR EASY LAY-A-WAY PLAN

New Spring Sweaters

For Ladies . . . 48c

New Spring Hats . . . 97c

New Spring Shoes \$1.98

"Happy Home" PRINT Dresses 97c

New Spring \$1.98 OXFORDS

Top Of Fashion TOPPERS

Fleece toppers in lovely flattering styles . . . pastel colors that will compliment your new spring dress—select yours now.

\$1.98 \$2.98

Spainhour-Sydnor BASEMENT STORE