

# PLANE MAKERS DENY CHARGES

## Five Heads Say Profit Is Secondary

### Statement Comes After Services Tell Order Difficulties

Washington, Aug. 21 (AP)—The presidents of five of the nation's largest aircraft companies said today in a joint statement that airplane manufacturers "have offered and will continue to give the government every resource and facility at their command" in the interest of national defense.

"We are ready to build airplanes first and talk about profits afterward," they said. "To this end the industry is making rapid progress."

The statement was signed by President Donald W. Douglas of the Douglas Aircraft Co.; Robert E. Gross, president of Lockheed Aircraft Co.; President P. G. Johnson of Boeing Airplane Co.; R. W. Millar, president of Vultee Aircraft, Inc.; and R. H. Fleet, president of Consolidated Aircraft Co.

It was made public after it was revealed that army and navy officials had told members of the senate deficiency appropriations subcommittee, considering the \$5,008,000,000 "total defense" bill, that the two services had been unable to place orders for 5,275 airplanes because manufacturers ob-

# Here Are the Steps—Where's the House



(NEA Cable-Telephoto) Surveying wreckage of what was once her home, a young London suburbanite sits on steps and wonders what to do about the damage done to it by Hitler's "airblitz" of Aug. 16. She kept safe during the raid in an air shelter. Picture and caption passed by British censor, picture cabled to New York.

# PLANES USING BLACK LIGHTS

## Instruments Are Read In Complete Dark

### Violet Ray Beam Glows On Dials During Blackouts

By Edmund Steeves  
(United Press Staff Correspondent)

Indianapolis, Ind. (AP)—In a small office in downtown Indianapolis, the inventor of a light that sheds no light to the human eye, but infinite light for the aviation industry.

He is William Garstang, and his invention is known as "black light." Although he holds at least 20 patents on his invention, he prefers not to be credited with the discovery and shies from publicity. Perhaps that is why "black light" is little known.

The invention is a blue fluorescent electric light which generates near-ultra violet rays. These rays are filtered through a black, coloring glass lens which takes out "all visible light," as Garstang explains it.

Corresponding with the rays of the bulb, an organic phosphorus material has been developed by his laboratory. This is applied to the dials of the instrument panels of airplanes.

Although both the phosphorus coating and the light appear non-luminous by themselves, when placed together in the opaque darkness of an airplane cabin the dials shine in bold relief. Yet there is actually no illumination in the plane itself.

"At first pilots refused to fly a plane with 'black light,'" Garstang said. "They were afraid of it. They had heard too much about the mysterious effects of violet rays."

"But we proved with the aid of army aeronautical engineers at Wright field that the light was not harmful. You see, its rays are near the ultra violet spectrum, but above the actual ultra violet and below the harmful band."

So impressed were United States army officials by the merits of "black light" that they have ordered installation of the invention in every fighting plane. Contracts from every airline corporation in America also have flooded Garstang.

"This device isn't new," the inventor commented. "Do you recall how they used to black out the theater in the old vaudeville, leaving only a beautiful girl on the stage illuminated? That was the same principle. Our light is just a little more technical."

"You see, 'black light' is just an application; not an invention."

There was a huge need for such a device as "black light" in modern aeronautics, especially since the advent of blackouts. Until its invention, airplane manufacturers had used a fluorescent radium mixture on the dials which was often illegible and sometimes inflicted radium poisoning on the pilots.

Even after "black light" was conceived it was not practical, since it operates on alternating current and planes are powered with direct current. But Garstang solved that problem also with an extremely light current inverter designed especially for changing DC to AC for the "black light."

Each unit of "black light" costs about \$130 for installation. According to Garstang, small planes require from one to three units while larger planes such as flying fortresses require as many as six to 10 units.

Berkeley, Cal. (AP)—Students of the University of California have demanded that the faculty provide a course on peace and war.

# She Seldom Misses



Mrs. Lela Hall of Strasburg, Mo., regarded as the best American "gunwoman" since Annie Oakley, will be a big threat to the men when the country's outstanding clay pigeon destroyers gather for the annual Grand American Handicap at Vandalia, O., Aug. 19-23.

# OLD FIRE RECORDS REMAIN STANDING

## 300 Feet of Hose Laid in 38 Seconds

Kearney, Neb. (AP)—Modernized fire-fighting equipment, which made obsolete the fire horse, has eliminated a great American pastime of the Gay Nineties—inter-city fire department track meets.

Kearney old-timers remember "way back when" and recall that it was 50 years ago that the Kearney extinguishers distinguished themselves as fleet-footed fire fighters. It happened during the era when races between fire stations from all over the country attracted as much attention as present day football games and inter-collegiate track carnivals.

On July 25, 1890, the Kearney firemen journeyed to Plattsmouth, Neb., and set a world's record that has ever been equaled.

The nine-man team ran 300 yards, laid 300 feet of hose and completed the required coupling in 38 4/5 seconds. The squad pulled a hose car weighing 750 pounds, and besides running the distance and laying the hose, they had to attach it to a hydrant with three full turns, bolt a coupling and put on a nozzle.

In another outstanding race at Leadville, S. D., the Kearneyites

ran the distance in 32 1/2 seconds but made no coupling. Again at Denver, the team ran 200 yards, laid 200 feet of hose and made a coupling in 30 1/2 seconds.

Kearney had several world title-holders in the coupling races involving individual performances by firemen who had to compete over a 25-yard distance.

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### CANDIDATE NO SITTER

Fresno, Cal. (AP)—Charles J. McCarthy of this city, running for congress from the 9th district, chose for a campaign slogan: "He Sits on No Man's Knee."

The United States' wool crop is expected to be the biggest on record for this country.

# MODE O' DAY

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923 Wall Street in Bend

Edwin B. Graham, Central Oregon pioneer who first visited Bend atop a load of hay when only a blacksmith shop, a feed barn, a stopping place and a few scattered houses marked the present site of this city of 10,000 people, dropped in from the Grandview country today to talk over old times with Judge H. C. Ellis. Graham is the son of Mr. and Mrs. E. A. Graham, who established their home on a 160-acre tract about six miles west of the present town of Sisters in 1880, coming here from Lake County, California.

Graham, now 61, was only a small boy when his folks moved here, but he has vivid recollections of later years, when the Cache creek toll gate was operated, when the nearest neighbor, Si Bodyfelt, lived at the Cold Springs ranch and when berry pickers and trans-mountain travelers used to stop overnight at the old Graham place.

It was shortly after the turn of the present century that Graham first visited Bend, hauling hay here from the Graham ranch. It took three days to make the

# Resident of Bend 40 Years Ago Is Visitor

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# Grouse Season Begins Sunday in 3 Counties

Portland, Aug. 21 (AP)—Open season for sooty or blue grouse in Wallawa, Union and Baker counties begins next Sunday, August 25, the Oregon state game commission announced yesterday. Limits will be four birds in any one day, but not more than eight in any seven consecutive days. The season closes August 31.

# SUMMER APPLE BLOSSOMS

New Boston, N. H. (AP)—Two months after C. Bunnham Leavitt's apple trees blossomed in the spring one of the trees produced 30 new blossoms.

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