U. S. NAVY AIRCRAFT IS SECOND TO NONE

Planes Equal or Superior to Any Other Nation.

Washington.-America's "fleet that flies" is equipped with planes and motors equal or superior to those of any other nation in the world and still further advances are now in sight, Rear Admiral Ernest J. King, chief of the bureau of aeronautics, declares in his annual report to Claude A. Swanson, secretary of the navy.

"The bureau . . . is upheld in this opinion," the document adds, "by the reports of various committees of congress which have, during the past year, inquired exhaustively into the subject. Every effort has been made to expend the funds at the bureau's disposal in such manner that the efficiency, reliability and usefulness of the aircraft and equipment furnished the operating forces would be the maximum possible."

Halls Expansion Statute.

The most progressive step taken by the government in the development of naval aviation during the fiscal year 1934, Admiral King said, was passage of the Vinson-Trammell act authorizing aircraft construction commensurate with the strength of the "treaty navy."

"The 1,000 plane program prescribed in 1926 (as a result of the Morrow aircraft board's recommendations) did not provide for ships authorized and constructed subsequent to that year," Admiral King says, "with the result that new ships had to be provided with aircraft by curtailment of other activities for which provision had been made, so that the ratio of aircraft to ship strength constantly decreased. The Vinson-Trammell act removes this restriction and a tentative program providing an orderly expansion of the naval air arm over a period of five to seven years has been prepared by the bureau of aeronautics and submitted to the Navy department for consideration and approval.

Greater Range Sought.

"Constant effort is being made to improve the characteristics of naval aircraft, particularly in regard to speed, range and striking power," the report adds. "Increased employment of longrange patrol bombing squadrons is expected. Future plans involve service tests for larger seaplanes of this type with great range, bomb loads and

"It is desired to increase the striking power of carrier-based scouting planes by including arrangements for dropping heavy bombs in diving attack. The development of such an airplane is now under way."

Admiral King points out that the speed range of the navy's latest-type planes has undergone marked improvement during the last year.

New Device to Improve

Police Marksmanship

Los Angeles.-Peace officers may soon be equipped with an attachment for their service pistols which will make each officer a deadly marksman in the dark.

The device, known as the automatic night sight, the invention of A. B. Scott, Los Angeles engineer, soon will be in quantity production, although offered for sale only to city, county and state peace officers.

The invention, which fits securely on the muzzle of a regulation police pistol, consists of a small flash bulb, a clover-leaf shaped aperture and a system of lenses. In operation it throws a clover-leaf shaped beam of light along the path of the bullet, with the bullet striking the point where the inner points of the four beams of light meet. The secret of the device is in the lenses, which enable the light to Illuminate the object aimed at, although a person in front of the pistol cannot see the rays.

Each set of the equipment will bear a serial number and sales will be registered just as the sale of pistols is now recorded.

French Colonial Cotton Is New Threat to South

Havre, France. - American cotton may well look to its laurels. A cargo of 840 tons of cotton has arrived from French Equatorial Africa. It is the first time such an important amount of it ever has arrived in France, It is consigned to a French spinning company. The French spinners are beginning to realize the value of the class and quality of the cotton furnished by big African concerns to France during

the last three or four years.

The production reached 2,300 bales in the past season.

2,400 Applicants Would

Be Philadelphia Firemen Philadelphia.-Ninety vacancies in Philadelphia fire department at-Civil Service Examiner Charles S. Shaughnessy, the list of applicants in-cluded two graduates from the United States Naval academy and one from West Point. Examinations were giv-en here recently. The job pays \$35 a week the first year, \$38,50 the second year, and after three years service, \$42

Demijohn 200 Years Old

****************** A HOG SHORTAGE

By GUY A. CARDWELL Agricultural and Industrial Agent Atlantic Coast Line Railroad Co.

According to the Bureau of Agri-

sharply in recent months largely be- of hogs a year earlier. cause of greatly reduced supplies Recent press reports indicates a available for consumption. The quanbuyers strike against retail meat tity of meat from federally inspected shops in the North and West because slaughter was 27 per cent less in the of the inability of many families to first four months of this year than pay current meat prices. in the same months of 1934.

prices has been seasonal, since there ing lower retail meat prices; stating is a tendency for pork prices to rise that they were getting tired of eatduring the late winter and spring be- ing vegetables without meat. cause of a decline in hog marketings Of course high prices paid for hogs during this period. Prices of the bet- by the packing-house markets is reter grades of beef, on the other hand flected in the farmers' income. This usually decline in the early part of increased farm wealth is rapidly the year because of seasonal in- spent for things needed by the farmcrease in slaughter.

year undoubtedly has been an import- comes are rapidly restricted. ant factor contributing to the rise in My advice to farmers in the South beef prices. Scarcity of the better is — take care of your hogs; feed grades of beef in the total has been them well; so you will have pork much smaller than usual. The pro- next winter and meat to sell-even to the effect that on the average South portion of steer beef in the total has though you may have to pay a tax Carolina farm there is not more than been much smaller than usual. The on what you sell.

Says State Adapted

the growing of alfalfa in North Car- cultivate it after every rain, so that olina and the crop may now be con- the moisture supply will be conservsidered as a valuable adjunct to suc- ed. Plant the alfalfa in August or cessful farming, especially through- September using from 20 to 25 out the piedmont section, believes R. pounds of adapted seed.
W. Pou, county agent of Forsyth .The soil must be limit

prepared, will grow alfalfa profit- ably applied in two applications durably," says Mr. Pou, "The heavy, ing the winter and summer following clay soils will maintain a stand of the the breaking of the land and before crop longer than will the sandy, the subsequent harrowing, Apply lighter soils. It is preferable that about 400 pounds of a 2-12-4 fertililand intended for alfalfa should have zer a few days previous to seeding. ually can be given without the loss wheat drill, of a single crop. Land that has previously grown corn or cotton is betand grass seed which are the worst ulationenemies to successful alfalfa grow-

November or December, harrow it vice.

shortage in feed supplies also caused the general quality of the cattle slaughter this year to be much below average.

Prices received by farmers for hogs cultural Economics fewer are in prost declined 22 cents per 100 pounds durpect in most of the important produc- ing the month ended April 15th, reing countries of the world. Decreas- flecting a slight increase in hog ed slaughter is reported in Germany, slaughter and lower prices for fresh Denmark, Netherlands, Czechoslova- pork in wholesale markets. Local kia, and Poland. Slaughter supplies market prices of live hogs declined in the United States says the bureau generally throughout the country dur-"are likely to continue small, at ing this period, but at \$7.88 per 100 least until the summer of 1936." pounds in mid-April the prices of pounds in mid-April the prices of Retail meat prices have advanced hogs was \$4.39 higher than the price

A group of house-wives recently Part of the new advance in pork descended upon Washington demand-

er and thus all classes are benefitted, The great shortage of pork this except those consumers whose in-

smoothly the next February, or as soon as soil conditions will permit, To Alfalfa Growing and plant the field to oats. When the oats are harvested, again plow The risk has been removed from the soil eight to ten inches deep and

The soil must be limited during the County and veteran alfalfa growers, course of preparation using from "Most piedmont soils, if properly three to five tons to the acre prefer-

The production of horses and mules Plow the selected field deeply in is steadily on the available for ser-best results and the livestock require

Farmers Seek Aid From Science

Data in Weather Bureau Invaluable in Combating Nature's Weapons

Science will arm against the four horsemen of disaster, drought, duststorms, soll-erosion, and floods, reports The Literary Digest.

Attending the annual meeting of the American Association for the Advancement of Science in Minneapolic, 800 of America's leading scientists repaid their host by agreeing to combat nature's de-structive weapons against the

If the West is to be relieved of climatic disaster, accurate, depend-able scientific knowledge is needed to develop long-range plans for land-use, said Dr. Isalah Bowman, Chairman of the National Research Council.

"We can not stop the recurrence of droughts, but we can avoid their worst effects. We can not prevent soil erosion by water and wind, but we can greatly reduce the rate of

"The immediate land problem of the West is not where to place a proposed 'shelter-belt' but where to turn farm land back to range land. A strong force of experts should be working on many climatological climatological data on the Great Plains accumulated by the Weather Bareau."

WHY NOT FEATURE · PERMANENT PASTURES

Prof. L. V. Starkey of Clemson College issued a statement recently one permanent pasture, and in many instances not even one pasture is available, and yet our climate demands that if we are going to make the best use of our livestock we must have a long grazing season.

Pasture conditions in North Carolina, and to some extent in Coasia Virginia, are similar to those in South Carolina, hence Mr. Starkey's statement is applicable to certain parts of those States as well as South Carolina.

An acre of really good pasture may have as much carrying capacity as many times that acreage of socalled permanent pasture and woodland pasture.

Admitting pasture weakness in the South, and the crying need for more some previous treatment. This us- This fertilizer may be put in with a and better fences, why is the present not a good time to make plans to pro-Mr. Pou says the alfalfa seed vide pasturage, properly fence good should be inoculated either with soil pastures, and divide the pastures ter to begin with because the cultiva- from some field where the crop has that we have into two or more pastion given these crops destroys weed been grown or with commercial inoc- tures so that livestock can be frequently changed from one pasture to another?

Pastures need rest periods for fresh grazing. For several reasons

reduced to a minium.

hog production as well as feed production, as we cannot depend entire- for speedy pork production. ly upon permanent pasture for all of the feed needed.

In 29 different tests with about 1,200 pigs in Ohio, Wisconsin, Pennsylvania, Iowa, and South Dakota by pigs on pasture averaged about 13 percent less for every 100 pounds of grain than for the pigs in dry lots. The concentrated feed saved depended upon the kind and condition of pas-

one-half of them were allowed pasevery 8 pounds of concentrated feed crop or clipping is good feed.

The Tables

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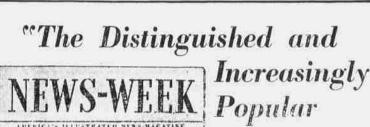
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NEWS-WEEK

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both the livestock and the pastures needed when pasture was not furare benefitted by following these nished. Pigs on pasture gained about methods and parasitic troubles are a quarter of a pound more per day than those in a dry lot. There was If several pastures are available less opportunity for them to pick up for hogs it is possible to work out a parasites. Aside from other things, crop rotation to the advantage of the pasture furnished vitamins, minerals, and exercise-all necessary

Pigs should not be stinted with too little pasture. The exact number of pigs that can be carried per acre depends on the pasture Pigs like and the total of concentrated feed eaten make good gains on alfalfa, lespedeza, rape, clovers, sudan grass, green soybeans, and cowpeas, bermuda, bluegrass, and rye when properly supplemented with concentrated feeds. They make the best gains, The pigs were put on test at an however, on young, teader, succulent, average weight of 55 pounds. About green growth. The value of pig pasture. The tests showed that pasture took the place of about I out of woody. New growth following a hay



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