

SNAPSHOTS AT NOTABLE PERSONS

Senator Tillman, Head of Naval Affairs Committee.



by Cluodinat.

Ever a conspicuous figure in the United States senate, Benjamin R. Tillman of South Carolina, by virtue of his position as chairman of the senate committee on naval affairs, takes on larger proportions in the public eye.

In the course of a recent interview Senator Tillman said: "It is a correct assumption that I am not going to vote for the 'greatest navy' in the world if the president meant by that phrase the greatest number of ships and men. If he meant the greatest in quality of ships and personnel I shall vote for it. We do not want a navy larger than England's, and thanks be to God for that when one thinks what an armament we have with England, we are not far off."

Files of the congressional record for the past several years show that Senator Tillman's famous pluck for was in the United States senate, the discussion was more heated and personal than at present and in verbal outbursts with Senators Spooner, Hat and Aldrich made entertaining reading these days.

Of late years, however, the signs of intense senatorial labors have had its effect on the senator but despite his falling health he has remained in Washington and has his share in the busy routine.

Senator Tillman is a native of South Carolina, in his sixty-ninth year and his home town is Trenton. In July, 1864, he quit school to join the Confederate army, but a severe illness caused the loss of his left eye and kept him an invalid for two years. He followed farming as a pursuit and took no active part in politics until 1880, when he began the agitation for technical and industrial education, which finally resulted in his election as governor in 1890 as the farmers' candidate. He was re-elected in 1892, and his second term was signalized by the passage of the dispensary law for the control of the liquor traffic by the state. He was elected to the United States senate and took his seat in 1895, and was twice re-elected.

New Ambassador to Chile. Joseph Hooker Shea of Soy, Ind., who has just been appointed ambassador to Chile by President Wilson, is well known as a lawyer and jurist. He succeeds Henry H. Fletcher, Republican, who has been appointed ambassador to Mexico. Mr. Fletcher will visit Washington before going to Mexico in order to confer with President Wilson and Secretary of State Lansing. It is



JOSEPH H. SHEA.

likely that the new Chilean ambassador will meet Mr. Fletcher at the national capital.

A native of Indiana, Mr. Shea was educated at the Indiana university, Bloomington, and was admitted to the bar in 1880. He was prosecuting attorney of the Sixth judicial district of Indiana for two consecutive terms and from 1896 until 1900 served as a member of the state senate. In 1905 he was elected judge of the circuit court and since 1913 has been a member of the Indiana court of appeals. Judge Shea is a Democrat in politics and is fifty-eight years old.

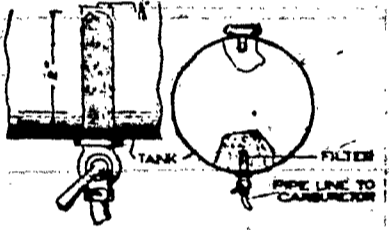
SCIENCE—INDUSTRY.

A Source of Oil For the Future.

Various countries possess valuable deposits of oil bearing shales which can be profitably made to yield not only oil, but many valuable by-products. They have been successfully worked in Scotland and New South Wales for many years, and these operations, besides being profitable to the companies engaged in the industries, conclusively show that oil shales carrying not less than twenty gallons of oil and nineteen pounds of soluble ammonia per ton can be successfully developed wherever cheap mining conditions exist. The deposits in Newfoundland, Canada and the United States are extensive and rich and it is only a question of a few years before they will be developed so as to augment the annual petroleum output and establish several new industries and furnish employment for many thousands of men. Engineering Magazine.

Fossils of North Dakota. Fossil plants are very abundant in the Fort Union formation in North Dakota, where they are found in the sandstone, in the harder concretions or lenses and in the clay between the beds of sandstone. Most of them, especially those in the clay, are preserved with remarkable fidelity. About 300 species of plants from this formation have been described, and the total number of species it contains may perhaps reach 500 or more. This abundant fossil flora shows that what is now an almost treeless plain was once covered with splendid forests of hard woods, interspersed with scattered conifers and ginkgos. The presence of numerous and at many places thick beds of lignite make it clear that in this region there were great swamps, which must have existed with but little change for long periods of time. United States Geological Survey.

Gasoline Filter For Auto Tank. When a gasoline filter is fitted to a car it is usually placed somewhere in the pipe line from the tank to the carburetor. The filter is a cylindrical tank and projects inside where the



FILTER IN BOTTOM OF TANK. Gause is constantly washed by the swaying of the gasoline caused by the motion of the car.

The finest copper gauze should be used, and it is best shaped by wrapping it on a steel rod about five-sixteenths inches in diameter while soldering the seam and top. The only difficulty in fitting up this type of filter is in removing the pipe union at the base of the tank, but this trouble is more than offset by the absence of a stopped jet in the future.

To Pick Electricity From Air. Experiments in picking electricity out of the air have begun at the recently completed experiment station of the American Radio and Research company at Pitzer college. The station comprises a laboratory replete with every scientific instrument used in wireless telegraphy, and a 300 foot steel tower surmounted by a huge antenna spread out in umbrella form. All manner of radio experiments will be performed, but the principal object of the station will be the attempt to capture and corral the electricity of the air. The shaft is the highest in New England and the third highest in the country. The two which attain a greater height are at Sayville, N. Y. and Arlington, Va. The design of the structure is such that the height may be increased at any time to 500 feet.

Our Greatest Mines. Our greatest mines today are steam shovel mines. In the country around Lake Superior, especially on the Mesabi range, and in the copper areas of the southwest properties have been developed which surpass both in tonnage of ore mined per day and in the magnitude of their reserves the wildest dreams of old time operators. The greatest of these, the king of all mines, is Utah Copper, which ships its 8,500,000 tons per year and, according to its latest annual report, had on hand a \$42,000,000 ton mountain of profitable copper ore. On the Mesabi probably as great tonnages per day have been mined, but the shorter season there cuts down the annual tonnage, and the reserves developed in any one property are smaller. Engineering Magazine.

Nitrates From the Air. The factory for making nitrates from the air now in operation at Niagara Falls produces 60,000 tons of calcium cyanamide a year, says the Farm and Poultry. It employs 500 men and uses 20000 horsepower, derived from the Canadian cataract. The rest of the world, by means of water power, gathers this nitrogen product from the atmosphere in the following number of tons a year: Norway, 72,000; Sweden, 10,000; Italy, 31,000; Switzerland, 27,000; France, 7,500; Germany, 51,000; Austria-Hungary, 21,000; and Japan, 10,000.

Detachable Shoe Soles. Pneumatic soles and heels, which may be easily attached and detached from shoes, are an English invention.

IN THE WORLD OF SPORT

Josh Devore, National League Outfielder.



Photo by American Press Association.

Josh Devore who is on the roster of the Philadelphia National League baseball club for the season of 1914, has had the good fortune during his career of being in on the money in three championship contests. He played with the New York Giants in 1911 and 1912 when they captured the National pennants for those years. He started in the season of 1913 with the Giants but was released to Cincinnati during the season, subsequently going to Philadelphia the next year, however, he

Motorboat Racing Rule. The interpretation of the rule of the American Power Boat association defining an amateur in motorboat racing is a matter that is engaging the attention of the racing commission of the association. That organization has so far against professionalism in motorboat racing and especially as regards the sanctioned races of the association. Its rule on the subject reads in part as follows: "No person who has followed the sea as a means of livelihood (except naval officers or members of naval militia) or who has accepted remuneration for services in handling or serving on a yacht or motorboat... shall be considered an amateur."

Kolehmainen Invited to Race. "Hannes" Kolehmainen, who has been recovering his lost form through diligent training in New York city, has been invited by William Unmack of San Francisco to visit the Golden Gate city next summer to compete in the annual race up Mount Tamalpais, known as the "mountain climb." Although the total distance is only four and a half miles, it requires great stamina for any athlete to complete the route. Last year the event was won by Oliver Millard, the representative of the Olympic club, who gave Kolehmainen one of the hardest races of his career in the five mile national championship at the Panama-Pacific exposition.

Rich Stakes For Harness Horses. Horses going to the post at the grand circuit meeting at Grand Rapids, Mich., next summer will trot or pace for purses totaling \$35,000, according to the tentative program arranged by Homer J. Kline, new secretary of the Furniture Driving club. If the plans formulated by Mr. Kline materialize, the \$10,000 Matrons' stake, which featured the meeting at Grand Rapids last year, will be run off there again. Purses for early closing events total \$13,000. A dozen purses of \$1,000 each for late closing events swell the total five total to \$35,000.

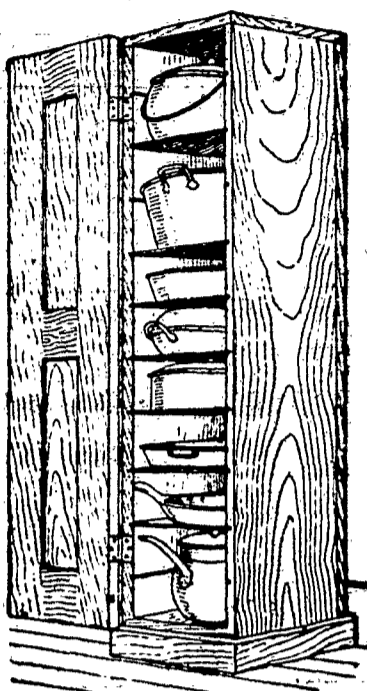
New Skating Record. Roy McWhirter of the Northwest Skating club made a new amateur world's record for 300 yards straight away in a skating meet at Humboldt park, Chicago, when he covered the distance in 25.25 seconds. The previous record was held by George I. Phillips, who skated the distance in 21.25 seconds at Cortland, N. Y., in 1893. The professional record is 23.25 seconds.

Six-Best Pitchers. Bobby Veach, the stinging outfielder of the Detroit team, names Bert Galloway and Walter Johnson of the Senators, Dutch Leonard, the left hander of the Red Sox, Carl Wellman of the Browns, Jim Scott of the White Sox and J. Weldon Wyckoff of the Athletics as the six best pitchers he ever battled against.

Women's Golf Championship. By a vote of the executive committee of the United States Golf association the date of the women's national championship at the Belmont Springs Country club has been changed from Sept. 11 to Oct. 2.

HELPFUL HINTS FOR HOUSEWIVES

Compact Cupboard For Kitchen Utensils.



The illustration shows a style of a cupboard in which kitchen utensils can be kept in an orderly manner without taking up a great deal of space, says Popular Mechanics. The cupboard is tall and narrow, and the interior face of each side is scored at even intervals with saw cuts one-fourth inch deep. In the grooves are placed shelves which are merely squares of galvanized iron. By placing the shelf in the proper groove the space is adapted to the size of the utensil. The small floor space occupied allows the cupboard to be placed in the part of the kitchen that is most convenient.

Perk Cake. One pound of fat salt pork, one pint of boiling water, two cupfuls of sugar, one cupful of molasses, one teaspoonful of soda, one teaspoonful of cloves, two teaspoonfuls of cinnamon, one pound of currants, one pound of raisins, one-fourth pound of citron, four Wash and dry the currants. Wash, seed and chop the raisins. Shred the citron. Have the pork entirely free from lean and rind and chop very fine or put through the food chopper, using the finest cutter. Pour the boiling water over the chopped pork, add the sugar, mix the soda with the molasses and add the molasses. Mix the spices with part of the flour and stir into the mixture. Add the fruit and then the rest of the flour. No definite amount of flour is given, but the batter should be as thick as one can stir. Bake in a moderate oven from three to four hours or steam three hours and bake one hour.

Roasting a Tough Joint. An excellent roast may be made from a very tough cut of beef by the following method: Select a thick cut of the lower round or any other portion that is without bone (this should be three or four inches thick). Pound four late the meat on both sides (about one and one-half cupfuls of flour can be pounded into a three or four pound piece). The pounding breaks up the fiber, and the flour retains the juices. Sear the meat all over and place in a roaster. Place the contents of a can of tomatoes over the meat. Onions and other seasonings may be added, according to taste. Cook slowly. This makes a tender roast and excellent gravy. It also is very good when sliced cold.

Canadian Plum Pudding. One cupful of chopped suet, one cupful of sorghum, one-half cupful of brown sugar, one cupful of sour milk, one cupful of raisins, four cupfuls of flour, one teaspoonful of soda, one-half teaspoonful of cloves, one teaspoonful of cinnamon, one of salt, one egg. Steam three hours and keep in a jar. Slice as needed and resteam. Serve with hard sauce, whipped cream or other sauce, as preferred.

Buttermilk Gems. One-half cupful of melted shortening or one cupful of thick sour cream, one-fourth cupful of brown sugar, one and one-half cupfuls of buttermilk, one teaspoonful of salt, one teaspoonful of soda in one-fourth cupful of hot water, Graham flour to make a batter that will drop clean from the spoon. Drop quickly into hot buttered gem pans and bake in a hot oven.

Tapioca Custard. One quart of fresh milk, two eggs, one-half cupful of pearl tapioca, one half cupful of white sugar. Soak the tapioca overnight, then drain off the water. Scald the milk in a double boiler. When it is hot add the tapioca, and let it simmer ten minutes. Beat the sugar and eggs together and add to the milk and tapioca. Flavor with vanilla or nutmeg.

Stewed Prunes With Apricots. Wash thoroughly one half pound each of prunes and apricots. Add water to cover and soak over night. Then add one-fourth cupful of sugar, a slice of unpeeled lemon and simmer until the fruit is tender, but not broken. Serve cold with thick, sweet cream. For variety add one-half teaspoonful of cinnamon before cooking.

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