

# Supplement to Canadian Champion

## Can You Figure Out What 'Geotechnology' Might Be?

Something new has been added to the English language. The word "geotechnology" has been coined by Prof. R. E. Dengler, head of the department of classical languages at the Pennsylvania State college.

If you don't know what it means, don't look in Mr. Webster's compendium. It isn't there. This new addition to the family of telescopic words expresses the application of science and engineering to all problems connected with the utilization of the natural resources of the earth.

It connotes mineral service, mineral work, or mineral utilization. It embraces all earth sciences, mineral economics, mineral engineering and mineral technology.

The term "social studies" was adopted in education as a group name for history, civics, economics, sociology, and current events; "geopolitics" has become synonymous with politics influenced by physical environment; "geotechnology" logically indicates the art and science by which properties of mineral matter, including the mineral fuels, are made useful to man.

The word "technology" is derived from the Greek "techné," meaning art, and the suffix "-ology" which denotes a science. The prefix "geo-", of course, means earth.

In the broad sense, geotechnology embraces all of the mineral arts and sciences, such as geology, mineralogy, geography, meteorology, geophysics, mining, petroleum and natural gas production, fuel technology, metallurgy and ceramics.

## Port of Genoa Has Vast

### Movement of War Freight

About a fifth of Italy's shipping tonnage passes through Genoa. It also is a busy port for shipping from south-central Europe.

Four main rail lines carry Genoa's vast tonnage behind electric engines powered by Alpine streams. In peace times, the city imports from five to eight times as much as it exports. It has eight miles of quays.

In days of peaceful aviation, Genoa was also the hub of Italy's airlines, radiating to western and central Europe, to North Africa, Greece, Egypt and the East.

Its ancient harbor, which brought a Greek settlement four centuries B. C., has been modernized with drydocks, shipbuilding yards and great warehouses. These lured British attack early last year when warships shelled the city.

The growth of trade, that rivalled Marseille's, increased Genoa's population to more than 650,000, forcing building expansion farther and farther up the foothills of the Ligurian Alps that overlook the great shipping arena.

Outstanding in Italy's history was the gathering at Genoa of the "Red shirts" under Garibaldi in 1860 to begin a campaign that played a major part in the unification of Italy.

## Boiled Rubber Shoes

Col. Chapman Mitchell of Philadelphia, in 1881, patented an acid process for reclaiming rubber. Colonel Mitchell was a chemist, son of one of Philadelphia's first families and brother of S. Weir Mitchell, novelist and neurologist. Mitchell experimented first with boiling rubber shoes in an iron pot with caustic soda solution (the process now principally used) but shifted to acid. Organized Philadelphia Rubber Works company, later taken over by Goodrich and still operating. Process used sulphuric and hydrochloric acid. Required lead-lined acid tank, washing equipment, breaking down mills, strainer, refiners, sheeters, and steam equipment for 200 pounds pressure in autoclaves for 6 to 12 hours. This process now used for reclaiming tires, boots and shoes as well as unscraped factory scrap or lightly vulcanized waste. Acid reclaimed rubber used for coating cables, lower grades of wire insulation, etc.

## Guadalcanal Coast 'Scourge'

Fifty years and more ago head hunters of Pavuvu, Banika and Savo islands were the scourge of the Guadalcanal coast. Their frequent raids drove Guadalcanal natives from their coastal villages to inland havens. Since the turn of the century, however, missionary and commercial activity has helped wipe out head hunting. Meanwhile large export business in coconuts and timber has been developed. Pavuvu is covered with wooded hills, the highest rising to 1,600 feet. Many of the tiny islets, covered with vegetation, rise more than 100 feet from the water. Coconut steamers from Sidney normally made regular stops in the Russells.

## WAACS and WAVES

WAACS, WAVES, and WAFS may be part of the military services, but they are still WOMEN, who will appreciate more than ever the simple little Christmas remembrances that will help them remain daintily feminine. While makeup is not prohibited, the girls in uniform are having to rely much more on cleanliness than upon makeup, and they will be glad to find the "makings" of that sort of charm in any Christmas box from home. Bars of a favored toilet soap, shampoos, dental cleansers, nail brushes, wash cloths, and similar toiletries will be much more to the point for them than more expensive or lavish gifts.



# Only the RED CROSS Can Pass

## With Food and Comforts for Our Prisoners of War!

BARBED WIRE and enemy guards "do not a prison make" for Canadian soldiers captured by the enemy. Their thoughts, winging across the sea, meet Red Cross parcels on their way to them.

Last year, the enemy said "pass" to 2,000,000 such parcels. They were packed with 22,000,000 pounds of food and comforts welcomed by men to whom the barest necessities have become luxuries.

But, most of all, to each prisoner every Red Cross parcel is a message from home—a definite assurance that he is not forgotten, a reminder that no captured Canadian soldier is ever marked "off strength" by the Red Cross.

Thirty percent of the money you gave to the Red Cross last year was used to provide parcels for prisoners of war. The money you give now will help to keep up and increase this flow of good cheer and hope to these lonely men.

Consult your heart . . . Obey its dictates . . . Give liberally

# CANADIAN RED CROSS

*GIVE—human suffering is greater than ever NOW!*

## CLEARING Auction Sale

Of Farm Stock, Implements and Household Furniture

The undersigned has received instructions from

O. S. MAY

to sell by public auction at lot 10, con. 10, Trafalgar, on

TUESDAY, MARCH 16th, 1943

at 1 o'clock, D.S.T., the following:

**CATTLE**—Durham cow due time of sale, Durham cow due April 30, Durham cow due July 19, Durham cow bred Dec. 31, Durham cow bred Nov. 17, 2 heifers 2 yrs. fat, 3 steers 2 yrs. fat, 2 heifers 1 yr, 1 steer 1 yr, 2 calves, 2 yearling calves.

**FIG. FOWL, FEED**—Sow and 9 pigs 5 weeks, 2nd litter, sow due Mar. 30, 11 pigs 5 months, 35 hybrid hens, 45 Rock hens, 800 bus. mixed grain, 250 bus. velvet barley, about 30 tons alfalfa hay 1st cut, about 10 tons alfalfa hay 2nd cut, quantity mixed hay, quantity bee keepers' supplies, and honey extractor.

**IMPLEMENTS**—McCormick mower 5 ft. Deering horse rake 10 ft, M.-H. hay tedder, M.-H. 12 hoe drill, M.-H. 16 plate drill, F. & W. 12 plate disc, M.-H. 17 tooth cultivator, steel land roller, 4 sec. heavy harrows, 3 sec. light harrow, harrow cart, No. 21 Fleury plow, M.-H. manure spreader, slush scraper, scuffler ditcher, lumber wagon with springs, market wagon, one-horse wagon, farm truck, hay sack, combination hay and stock rack, bobsleigh with box, cutter, 2 yd. gravel box, Loudon hay fork, ropes, ridging ditcher, rack lifter and wheel, M.-H. cream separator, 4 horse motor, speed jack, 1 horse motor, friction pulley, root pulper, sugar kettle, 2 emery grinders, 2 oil drums, cross-cut saw, quantity lumber, quantity 2 and 3 in. plank, quantity light timber, set team harness, Stewart horse and sheep clippers, lumber cedar posts, logging and binding chains, electric fence charger, quantity wire fence, portable forge and anvil, sheep feed rack, steel hog troughs, poultry and chicken feeders, set platform scales 2000 lbs. set platform scales 800 lbs, feed bins, barrels and tubs, neckyokes, whiffletrees, forks and other articles.

**HOUSEHOLD ARTICLES**—Coal and wood kitchen range, coal and wood heater, large extension table, 2 cupboards, hall rack, iron bed, 3 bed springs, 3 wooden beds, power washing machine (Playtime), dressers and stands, carpets, oilcloths, linoleums, large flour bin, household scales 210 lbs, tables, chairs, lamps, dishes, etc. No reserve as the farm is sold.

Terms Cash.

W. A. RUSSELL, Auctioneer, W. F. B. Switzer, Clerk.

## WOOD LOT FOR SALE

South corner of the east half of Lot 24, Con. 3, Esqueving, the property of Flinn Bros. Will sell in 1/2 acre and 1/2 acre lots, on Saturday, March 13th, at 2 p.m., at the bush. Also an aged team of horses. Terms cash. T.J. Chis-olm, Auctioneer. Phone 84, Elmer Downs, Milton.



The RED CROSS is a link between him and home!

Just imagine what it would be like if there were no Red Cross. In times of war there would be no way of knowing what had happened to men missing in battle . . . no way of telling men in enemy prison camps that they were remembered by loved ones at home.

So that there will be no "forgotten men" among Canadians captured by the enemy, the Canadian Red Cross ships thousands of parcels overseas every week. Each parcel contains nourishing food and tasty comforts needed by men to whom the barest necessities have become luxuries. These messengers from "home" relieve the loneliness, the confinement, the monotony of prison camp routine. Each parcel costs \$2.50 . . . more than ever are needed this year. How many will you send?

ELECTRICITY IS A WAR WEAPON  
*Save it*

THE CANADIAN RED CROSS NEEDS \$10,000,000 FOR 1943 OPEN YOUR PURSE...

*Give Generously NOW!*

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO