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## Soybean Increases Value as Source of Edible Fats

In the December, 1964, issue of the *Illinois Medical Journal*, S. S. Chang (1952) and J. R. Wilson reported that the soybean has become the chief source of visible food fats in the United States.

In their report, entitled "Soybean Oil in Our Foods," they state that soybean oil constitutes 72% of the oil consumed in margarine, 48% of the oil in shortening, and 60% of the oil in salad and cooking oils.

"Soybean, cottonseed and corn oil make up 98% of the highly polyunsaturated vegetable oils consumed in the United States," the report states. Safflower oil, a comparative newcomer,

makes up less than 1% of the total fats and oils consumed in this country. "This leaves soybean oil as the only oil in relatively abundant supply which contains more than 50% of linoleic acid." Annual production of soybean oil is now over 5,000 million lb and is greater than the combined output of all other edible vegetable oils as well as the combined annual production of all edible animal fats.

Dr. Chang is associated with the Department of Food Sciences, Rutgers University, and Dr. Wilson is Project Coordinator, Educational and Scientific Foundation, Illinois State Medical Society.

### • New Products

AMERICAN INSTRUMENT COMPANY, INC., Silver Spring, Md., is marketing the time-saving Accumelt, which provides melting and boiling point determinations in less than one minute, usually with samples of less than 3 mg. Points are determined to 0.5C with calibration; readings obtainable to 0.1C.

LABCONCO, Kansas City, Mo., has added to its line of products a new lightweight fiberglass tissue culture hood that provides a contamination-free area for culture techniques.

OHAUS SCALE CORPORATION, Union, N. J., announces their Dial-O-Gram balance, the first low-form single-pan dial balance ever offered. Readings to 100 g are direct to the nearest 0.1 g; above 100 g readings are made through a new "Touch-N-Weigh" method.

UNIVERSAL OIL PRODUCTS Co., East Rutherford, N. J., has introduced a butylated hydroxianisole (BHA) food additive soluble in water. This product makes it possible to use BHA as an antirancidity additive to edible fats and oils, in foods containing water.

F & M SCIENTIFIC CORPORATION, Avondale, Pa., now offers its Model 35 Hydrogen Generator, which delivers hydrogen with less than 10 parts per billion impurities much more safely than ordinary hydrogen sources. It is particularly useful in flame detection gas chromatography.

JEFFERSON CHEMICAL COMPANY, INC., Houston, Texas, is marketing Surfonic JN-30, a new biodegradable intermediate for anionic surface-active agents. It is available now, to aid the program to convert from "hard" to "soft" anionics by July 1, 1965.

### • Industry Items

SHELL CHEMICAL COMPANY will begin construction at Geismar, La., of a second commercial facility for the production of its detergent-range primary alcohol, recently trademarked "Neodol." As a result, Shell's detergent-range primary alcohol capacity will be in excess of 150 million pounds per year at the end of 1966.

UNION CARBIDE's new Texas City, Texas, facility is now in full production of nonionic detergent intermediates derived from secondary alcohols. This will further aid the soap and detergent industry to switch their manufacturing plants from "hard" to "soft" surfactant materials. The new soft ionics will encourage the rapid conversion of all users to biodegradable products.

HERCULES POWDER COMPANY, Wilmington, Delaware, has acquired certain assets of the Southern Chemical Cotton Company, Inc., Chattanooga, Tenn. Purchases now being made by Southern, exclusive of purchases pertaining to Southern's Specialty Paper Mill, will

now be made by Hercules. Deliveries will be to Southern, as in the past.

AMERICAN MINERAL SPIRITS COMPANY, Division of the Pure Oil Company, has announced the construction of a new petrochemical plant to produce high-purity AMSCO Hexane and Heptane at Smiths Bluff Refinery in Texas. Production is scheduled to begin in July.

UNIVERSAL OIL PRODUCTS COMPANY has appropriated over \$1½ million for new facilities. These will include a substantial addition to catalyst manufacturing facilities at UOP's Chemical Co. Division, East Rutherford, N. J.; and UOP Chemical Co. Division, East Rutherford, N. J.; and expansion of facilities of Universal's Aerotee Industries Division plant at Bantam, Conn.

APPLIED SCIENCE LABORATORIES, INC., State College, Pa., now has available porous glass for both gas chromatography and thin-layer chromatography. This material differs from conventional glass beads in that the surface area is greater.