

The New Precision  
Method of  
**CO**  
**DETECTION**

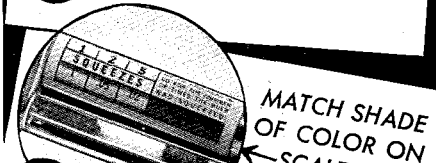


**MCDONALD**  
Colorimetric  
**CARBON MONOXIDE**  
**TESTER**

**1** INSERT INDICATOR TUBE  
(developed by National Bureau  
of Standards)



**2** SQUEEZE  
ASPIRATOR BULB



**3** MATCH SHADE  
OF COLOR ON  
SCALE TO  
DISCOLORED  
PORTION OF TUBE  
for an accurate indi-  
cation of C O Concentration in the  
range of .001 to .10.

- ★ **PORTABLE**  
useable wherever  
C O is a hazard.
- ★ **INEXPENSIVE**  
brings a scientific  
method of detection  
within the means of  
all.
- ★ **ACCURATE**  
will meet the most  
exacting safety re-  
quirements.

WRITE FOR INFORMATION AND PRICE  
**B. F. McDONALD CO.**  
Manufacturers & Distributors  
of Industrial Safety  
Equipment

5100 E SOUTH HOOVER ST.  
LOS ANGELES 37, CALIF.  
OTHER OFFICES IN SAN FRANCISCO  
AND HOUSTON



**PERSONALS**

1922

ALFRED W. KNIGHT and V. WAYNE RODGERS '27, registered patent attorneys in Los Angeles, have recently formed a partnership, Knight Rodgers.

1923

BERNARD G. EVANS has met the prescribed requirements of the American Institute of Real Estate Appraisers and has been awarded the professional designation, M.A.I. He is now working in San Bernardino.

1924

KENNETH B. ANDERSON, who is working with the Pacific Public Service Company, a subsidiary of Standard Oil, has just been transferred from Santa Cruz to the main office in San Francisco.

1926

THEODORE C. COLEMAN, back from a two year stay at Sao Paulo, Brazil, where he was engaged in importing and exporting, has recently been appointed assistant treasurer of the Standard Oil Company of California and is working in their main office in San Francisco. From 1940 to 1945, Ted was a director and vice-president of Northrop Aircraft, Inc. and previously was in the investment business in Pasadena and Los Angeles as vice-president of Banks, Huntley Company.

1927

THEODORE C. COMBS, working with the Trinker Structures Inc., has been promoted to resident manager in San Francisco.

1931

FRANCIS W. HUTCHINSON, professor of mechanical engineering at the University of California, Berkeley, was recently elected to the Committee on Research of the American Society of Heating and Ventilating Engineers. Prior to his present professorship, Hutchinson was a member of the Purdue University faculty, and before that an associate professor at U.C.

FRANK M. MASON has just been appointed vice-president in charge of the new, enlarged Atlantic plant of U. S. Electrical Motors, Inc. at Milford, Connecticut. With this company since 1930, Frank has held many positions; in charge of the Test Department, Service Department; then assistant chief engineer, Chicago District manager, and manager of the Brooklyn Assembly Plant.

1932

LAWRENCE D. SCHRODER, M.S., was appointed assistant superintendent of Salt Lake City public schools last December. He will be in charge of personnel and school organization. Schroeder has completed all classwork necessary for a doctorate in education from Stanford. He served as principal of Jackson school, Salt Lake City, after teaching in elementary and secondary schools in that city.

1933

In December, JOHN R. BOWMAN, a senior research fellow at the Mellon Institute, Pennsylvania, was named head of a new research department at the Institute which will do fundamental research in physical chemistry. John has been working at the Mellon Institute since 1935 on a fellowship established by the Gulf Research and Development Company.

1937

RALPH S. BENTON JR. is sales engineer with Ingersoll Rand Ltd. in Bombay, India.

1939

EDWIN I. SULLIVAN, who is working with the Bureau of Reclamation in Sacramento, has been elected vice-president of the local section of the ASCE.

1940

GILBERT W. HOFELLER, working in the Flight Test and Research Department of Consolidated Vultee's plant in San Diego, will be flight test engineer on the XC-99, world's largest land-based airplane, during the company's six-months-long flight-testing program. Gil joined Consolidated Vultee's San Diego Division as an engineer in 1940, shortly after his graduation. In 1941-42 he was an instructor in the ground school of the Ryan School of Aeronautics in San Diego, and then returned to Consolidated to take the position he now holds.

1941

ALEX E. S. GREEN, M.S., who is studying toward a doctor's degree in science and also instructing at the University of Cincinnati, has been awarded the Medal of Freedom for outstanding work performed when he was with the 20th Air Force in India, China and the Marianas Islands.

1942

CHARLES M. SEIBEL, Wichita, Kansas, has just designed, patented, and flown a simplified helicopter which he believes will sell for \$3000 to \$4000. Charles built his "flying windmill" in his spare time. The plane weighs 540 pounds empty and is designed to cruise at 75 miles per hour, although in testing, the experimental model has not flown over 30 miles an hour. Charles plans to sell his patents outright or form a corporation and build the helicopters in Kansas.

1943

DAVID R. ARNOLD is now employed as a gas engineer for The Superior Oil Company, Los Angeles. In December 1947, he received the M.B.A. degree from Stanford.

JAMES H. LEONARD is employed by Western Geophysical Co. as chief computer. The Company does oil exploration work in California.

1944

JOHN FREDERICK NICHOLS married Miss Jeanne Lytle of Arcadia. Since 1944, John has been doing graduate work at U.S.C.

1946

FREDERICK C. ESSIG has accepted a position in the Instrumentation Laboratory at the Naval Air Missile Testing Center, Point Mugu, California. He is working with electronics at the Laboratory.

1947

ALBERT H. J. MUELLER is now working for General Electric as test engineer on the GE Test Course, in Schenectady, New York. Albert informs us that five per cent of the class of '47 are now working for the GE-BURTON CRUMLY and CARTER SINCLAIR and AL are at the Schenectady Works; ROBERT BELYEA and GEORGE LYON are at the Fort Wayne Works; JOHN HOLMGREN is at the Erie Works; and MERWYN HODGES is at the Pittsfield Works.

1948

DAVID K. CARLISLE, president of his freshman class at Tech in 1944, left the Institute to attend the U. S. Military Academy at West Point. Dave stood in the top five per cent in the Fourth Class and now has the best over-all record of any negro cadet ever attending the Academy.