

103. **Silicon Chemistry.**—A laboratory course to supplement Ceramic Engineering 101, which must precede or accompany it. *II; (1 to 2 units).* Professor WASHBURN

102. **General Technology of the Clay Industries.**—An advanced course dealing with the physical properties of ceramic materials and products in the light of their dependence upon chemical composition, mineralogical constitution, and physical condition. Lectures, seminar and laboratory. *I, II; (1 to 2 units).* Professor PARMELEE

*Prerequisite:* The elements of mineralogy and of physical chemistry.

105. **Technology of Glass.**—Glassy silicates; limiting composition; physical and chemical properties of glasses and the dependence of these properties upon composition. Lectures and laboratory. *(1 to 2 units).* Professor PARMELEE

## CHEMISTRY

WILLIAM ALBERT NOYES, Ph.D., LL.D., *Professor and Director*

SAMUEL WILSON PARR, M.S., *Professor*

HARRY SANDS GRINDLEY, D.Sc., *Professor*

EDWARD BARTOW,<sup>1</sup> Ph.D., *Professor*

RICHARD CHASE TOLMAN,<sup>2</sup> Ph.D., *Professor*

WILSON FORSYTH MONFORT, A.M., *Acting Professor*

WILLIAM D HARKINS, Ph.D., *Lecturer*

DAVID FORD MCFARLAND, Ph.D., *Associate Professor*

GEORGE MCPHAIL SMITH, Ph.D., *Assistant Professor*

ROGER ADAMS,<sup>3</sup> Ph.D., *Assistant Professor*

B SMITH HOPKINS, Ph.D., *Assistant Professor*

HOWARD BISHOP LEWIS, Ph.D., *Assistant Professor*

GEORGE DENTON BEAL, Ph.D., *Assistant Professor*

OLIVER KAMM,<sup>4</sup> Ph.D., *Assistant Professor*

JOHN HENRY REEDY, Ph.D., *Assistant Professor*

THOMAS ERNEST LAYNG, Ph.D., *Associate*

HENRY GILMAN,<sup>5</sup> Ph.D., *Associate*

SILAS ALONZO BRALEY, Ph.D., *Instructor*

GERHARD DIETRICHSON, Ph.D., *Instructor*

ROSALIE MARY PARR, Ph.D., *Instructor*

DUANE TAYLOR ENGLIS, Ph.D., *Instructor*

RUTH ELIZA OKEY, Ph.D., *Instructor*

RALPH EMERSON RINDFUSZ, A.M., *Instructor*

ERNEST EDWARD CHARLTON,<sup>6</sup> Ph.D., *Instructor*

GLENN SEYMOUR SKINNER,<sup>7</sup> Ph.D., *Instructor*

MARION EMELINE SPARKS, A.M., B.L.S., *Library Assistant in Chemistry*

WILLIAM ALEXANDER VAN WINKLE, M.S., *Assistant*

RUSSELL STARKEY BRACEWELL, M.S., *Assistant*

HERBERT EPHRAIM FRENCH, A.M., *Assistant*

ALLEN EDWIN STEARN, A.M., *Assistant*

RUTH EVELYN MERLING, M.S., *Assistant*

SARGENT GASTMAN POWELL, M.S., *Assistant*

OTIS AVERY BARNES, B.S., *Assistant*

ROSSLENE MERLE ARNOLD, A.M., *Assistant*

<sup>1</sup> On leave in National Service.

<sup>2</sup> Resigned.

<sup>3</sup> On leave in National Service, first quarter.

<sup>4</sup> On leave, second and third quarters.

<sup>5</sup> Second and third quarters.

<sup>6</sup> Second quarter.

<sup>7</sup> Third quarter.