## NEWARK ENGINEERING NOTES

## MDEX

VOLS. I - II 1938-39

Additions to electrical laboratory equipment as reported by Professor P. C. Shedd. v.2, no.3, Dec. 1938, p. 7 Additions to mechanical laboratory equipment as reported by

Professor H. E. Walter. v.2, no.3, Dec. 1938, p. 7

Albert, Odd

The design of reinforced concrete beams using the method of "controlled concrete." v.2, no.3, Dec. 1938, p. 10. The easy formulas in reinforced concrete design. v.l, no.2, May 1938, p. 8

Alternating-current network analyzer of the Public Service Electric and Gas Company, the. Hollis K. Sels and Raymond C. R. Schulze. v.2, no.6, May 1939, p. 7

American Institute of Electrical Engineers - Thirteenth annual convention. v.2, no.6, May 1939, p. 12

Alumni participation

President's diary. v.2, no.5, Mar. 1939, p. 4

Baker, Edward G.

Evaluation of an elliptic integral; reduction to standard form and numerical discussion of Dr. Joffe's integral. v.1, no.3, Je. 1938, p. 8

Baker, Edward G., for material about see

What our professors and instructors are doing. v.l, no.3, Je. 1938, p. 7

Bassford, Marshall C., for material about see

Professionalities. v.2, no.6, May 1939, p. 13 Benefits of the College to the community

President's diary. v.l, no.1, Apr. 1938, p.2

Bradley, James A. Is the dean in? v.2, no.1, Oct. 1938, p. 6. The ordeal of the freshman. v.2, no.5, Mar. 1939, p. 8 Brains are where we find them President's diary. v.1, no.2, May, 1938, p. 2 Breen, Marshall J., for material about see Alumni professionalities, v.2, no.3, Dec. 1938, p. 7 Brooks, J. Ansel Scientific management in the small business, v.2, no.6, May 1939, p. 7 Burrell, Harry "Organolites: organic base-exchange materials." v.l. no.2, May 1938, p. 4 Burrell, Harry, for material about see What our professors and graduates are doing. v.l, no.l, Apr. 1938, p. 11 Carvin, Frank D. Molecular spectra, v.2, no.5, Mar. 1939, p. 5 Carvin, Frank D., for material about see What our professors and instructors are doing. v.l. no.3, Je. 1938, p. 7 Changes in the staff at Newark College of Engineering v.2, no.1, Oct. 1938, p. 12 Chelborg, Rudolph, for material about see Alumni professionalities. v.2. no.3. Dec. 1938, p. 7 College guidance for engineers Robert Widdop. v.2, no.1, Oct. 1938, p. 10. What our readers say. v.2, no.6, May 1939, p. 13 Conservation of time President's diary. v.2, no.2, Nov. 1938, p. 4 Constant head tanks for hydraulic laboratory Harold N. Cummings. v.l, no.1, Apr. 1938, p. 7 Convention in Texas v. 1, no.3, Je. 1938, p. 9 Cost of education, the President's diary. v.2, no.1, Oct. 1938, p. 4 Council on public relations. v.2, no.5, Mar. 1939, p. 7 Cullimore, Allan R. President's diary. v.l, nos. 1-3, Apr.-Je. 1938, p. 2 v.2, nos. 1-3, Oct.-Dec. 1938, p. 4; v.2, nos. 4-6, Feb., Mar., May 1939, p. 4 Professional engineers and land surveyors. v.2, no.4, Feb. 1939, p. 8 Cummings, Harold N. Constant head tanks for hydraulic laboratory. v.l, no.l, Apr. 1938, p. 7 The in-and-out reservoir problem. v.2, no.6, May 1939, p. 5 Cunliffe, Paul R. Alumni professionalities. v.2, no.4, Feb. 1939, p. 11 Debt of the College to the Technical School President's diary. v.l, no.1, Apr. 1938, p. 2

Design of reinforced concrete beams using the method of

Odd Albert. v.2, no.3, Dec. 1938, p. 10

"controlled concrete", the

Designing the rim under gear teeth Waldemar F. Larsen. v.2, no.2, Nov. 1938, p. 6

Developing laboratory experiments in physics

William Hazell, Jr. v.2, no.3, Dec. 1938, p. 8

Development of character, the

President's diary, v.2, no.1, Oct. 1938, p. 4

Du Mont, Paul J., for material about see

Professionalities. v.2, no.6, May 1939, p. 13

Duplicating the cube by rule and compass. Remarkably close approximate solution analyzed. James H. Fithian, v.2, no.3, Dec. 1938, p. 6

Easy formulas, the

Comments by Harold N. Cummings. v.1, no.3, Je. 1938, p. 11

Easy formulas in reinforced concrete design, the Odd Albert. v.l, no.2, May 1938, p. 8

Economic growth; a study of the concept limitless expansion of industry. George D. Wilkinson, Jr. v.1, no.3, Je, 1938, p, 4

Education must be democratic

President's diary. v.2, no.1, Oct. 1938, p. 4

Educational transportation

President's diary. v.1, no.1, Apr. 1938, p. 2

Elements of sound and light.
Frank N. Entwisle. Reviewed by William Hazell. v,l, no,l, Apr. 1938, p. 9

Engineer and democracy

President's diary. v.2, no.4, Feb. 1939, p. 4

Engineer as a citizen, the

Charles J. Kiernan. v.2, no.6, May, 1939, p. 13

Enrollments

President's diary, v.2, no.1, Oct. 1938, p. 4

Entwisle, Frank N.

Mechanically minded, v.2, no.6, May 1939, p. 11 Prognostic tests. v.l, no.l, Apr. 1938, p. 6

Equilibrium of a rectangular, horizontal piece of canvas under water pressure, the. Joseph Joffe. v.l, no.l, Apr. 1938, p. 8

Evaluation of an elliptic integral; re- to standard form and numerical discussion of Dr. Joff's integral, Edward G. Baker, v.1, no.3, Je. 1938, p. 8

Evolution of the electrical courses.

James C. Peet. v.2, no.2, Nov. 1938, p. 8

Farrow, Stanley, for material about see

Professionalities, v,2, no.6, May 1939, p. 13

First prize to Henry Jasik at Student Convention. Mildred Preen. v.l, no.2, May 1938, p. 7

Fishman, S.

Graphical representation of the a-operator, a, no.2, Nov. 1938, p. 10. Some elements of matrices indicated from analysis of 4-terminal networks, v.2, no, 4, Feb. 1939, p. 6

Fithian, James H.

Duplicating the cube by rule and compass. Remarkably close approximate solution analyzed. v.2, no.3, Dec. 1938, p. 6

Fixed point theory, the v.2, no.6, May 1939, p. 12 For better citizenship President's diary. v.2, no.4, Feb. 1939, p. 4 Freshman and sophomore orientation President's diary. v.2, no.2, Nov. 1938, p. 4 From the mail bag. v.1, nos. 2-3, May-Je. 1938, p. 11; v.2, nos.1 & 3, Oct. & Dec. 1938, p. 13 Frost, D. C., for material about see What our professors and instructors are doing. v.l, no.3, Je. 1938, p. 7 Giesy, Paul M., for material about see What our professors and graduates are doing. v.l, no.l, Apr. 1938, p. 11 Good record, a v.1, no.1, Apr. 1938, p. 9 Graduate work in geodetic surveying. James M. Robbins. v.1, no.3, Je. 1938, p. 10 Graphical representation of the a-operator, a S. Fishman. v.2, no.2, Nov. 1938, p. 10 Great range portable vibration instrument Eastman Smith. v.l, no.1, Apr. 1938, p. 4 Growth of enrollment President's diary. v.l, no.1, Apr. 1938, p. 2 Gyrus storage battery, the V. T. Stewart. v.2, no.2, Nov. 1938, p. 11. What our readers say. v.2, no.6, May 1939, p. 14 Hazell, William, Jr. Developing laboratory experiments in physics. v.2, no.3, Dec. 1938, p. 8. Review of Elements of Sound and Light first edition by Frank N. Entwisle. v.l, no.1, Apr. 1938, p. 9 High speed electronic circuit breaker, a Henry Jasik. v.l, no.2, May 1938, p. 6 Hoffmann, P. O., for material about see What our professors and instructors are doing. v.l, no.3, Je. 1938, p. 7 Honesty with respect to professional work of the college President's diary. v.2, no.6, May 1939, p. 4 In-and-out reservoir problem, the H. N. Cummings. v.2, no.6, May 1939, p. 5 Industrial peace President's diary. v.2, no.3, Dec. 1938, p. 4 Integral equations; motion of a chain within a smooth fixed tube. Bedross Koshkarian. v.2, no.5, Mar. 1939, p. 10 Introduction to engineering physics Frank N. Entwisle and William Hazell, Jr. Reviewed by Eastman Smith. v.2, no.2, Nov. 1938, p. 13

Jasik, Henry, for material about see
Alumni personalities, v.2, no.2, Nov. 1938, p. 9. A high
speed electronic circuit breaker. v.1, no.2, May 1938, p. 6

James A. Bradley. v.2, no.1, Oct. 1938, p. 6

Is the dean in?

Joffe, Joseph The equilibrium of a rectangular, horizontal piece of can vas under water pressure. v.l, no.1, Apr. 1938, p. 8 Joffe's integral, Prof. Lawrence E. Widmark, comment by. v.l, no.2, May 1938, p. 11 Charles S. Cummings, 2nd, comment by. v, 2, no., Oct. 1938, Journalistic opinion, A. President's diary, v.l. no.2. May 1938, p. 2 Judicial attitude President's diary. v.2, no.3, Dec. 1938, p. 4 Keeffe, George C., for material about see What our professors and graduates are doing. v.l, no.l, Apr. 1938, p. 11 Kiernan, Charles J. The engineer as a citizen. v.2, no,6, May 1939, p. 13 Koshkari an, Bedross Integral equations: motion of a chain within a smooth fixed tube. v.2, no.5, Mar. 1939, p. 10. Motion of a chain within a smooth fixed tube. v.2, no.1, Oct. 1938, La Londe, William S., Jr. Shop surveying. v.2, no.3, Dec. 1938, p. 9. Solution of simultaneous linear equations by successive approximations. v.1, no.3, Je. 1938, p. 6. For material about see What our professors and instructors are doing. v.l, no.3, Je. 1938, p. 7 Lamb, Anthony H., for material about see Alumni personalities. v.1, no.2, May 1938, p. 10 Lamb, Francis X. Alumni personalities. v.l, no.2, May 1938, p. 10 Larsen, Waldemar F. Designing the rim under gear teeth, v.2, no.2, Nov. 1938, p. 6 Mainardi, Marcus, for material about see Alumni personalities. v.2, no.1, Oct. 1938, p. 12 Manning, Frank G., for material about see Alumni personalities. v.2, no.2, Nov. 1938, p. 9 Mechanical engineers meeting in Newark v. 2, no.5, Mar. 1939, p. 13 Mechanically minded Frank N. Entwisle. v.2, no.6, May 1939, p. 11 Men of character President's diary. v.l, no.2, May 1938, p. 2 Men with experience President's diary. v.2, no,4, Feb. 1939, p. 4

Molecular spectra
Frank D. Carvin. v.2, no.5, Mar. 1939, p. 5. What our readers say. v.2, no.6, May 1939, p. 14
Motion of a chain within a smooth fixed tube
Koshkarian, Bedross, v.2, no.1, Oct. 1938, p. 8
Newark Engineering Notes

President's diary. v.l, no.1, Apr. 1938, p. 2

Nims, A. A., for material about see Professor Nims, one of the early pioneers in the development of welding generators. v.2, no.4, Feb. 1939. p. 10 Opportunities utilized v.2, no.1, Oct. 1938, p. 14 Ordeal of the freshman, the James A. Bradley. v.2, no.5, Mar. 1939, p. 8. What our readers say. v.2, no.6, May 1939, p. 14 Organization contemplated, the President's diary. v,2, no.5, Mar, 1939, p. 4 Organolites: Organic base-exchange materials Harry Burrell. v.l, no.2, May 1938, p. 4 Our graduates continue academic work Prof. Henry H. Metzenheim. v.2, no.5, Mar. 1939, p. 9 Parallels in progress v.l, no.1, Apr. 1938, p. 5 Peace President's diary, v.2, no.3, Dec. 1938, p. 4 Peet, James C. Evolution of the electrical courses. v.2, no.2, Nov. 1938, Portable vibration instruments Comments. v,1, no.2, May 1938, p. 11; v.2, no.1, Oct. 1938, p. 13 Preen, Mildred First prize to Henry Jasik at student convention. v.1. no.2, May 1938, p. 7 President's diary, comments on v.1, no.3, Je. 1938, p. 11 Professional engineers and land surveyors Allan R. Cullimore. v.2, no.4, Feb. 1939, p. 8 Prognostic tests Frank N. Entwisle. v.l, no.1, Apr. 1938, p. 6 Proposed evening course in time and motion study. v.2, no.3, Je. 1938, p. 9 Puishes, Alphons, for material about see Alumni personalities. v.l, no.2, May 1938, p. 10 Raabe, Miss Edythe R., for material about see Alumni professionalities. v.2, no.3, Dec. 1938, p. 7 Registrar's report v.2, no.2, Nov. 1938, p. 9 Retrospect and prospect Robert W. Van Houten, v.l, no.1, Apr. 1938, p. 10 Robbins, James M. Graduate work in geodetic surveying. v.l, no.3, Je. 1938, p. 10 Roche, John M., for material about see Alumni professionalities, v.2, no.4, Feb. 1939, p. 11 Runyon, Malcolm, for material about see Alumni personalities. v.l, no.2, May 1939, p. 10. They used their heads, v.2, no.4, Feb. 1939, p. 4 Scientific management in the small business J. Ansel Brooks. v.2, no.6, May 1939, p. 7

Selecting faculty members President's diary. v.l, no.2, May 1938. p. 2 Sels, Hollis K, and Schulze, Raymond C, R. The alternating-current network analyzer of the Public Service Electric and Gas Company. v. 2, no. 6, May 1939, p. 7 Shop surveying William S. La Londe, Jr. v.2, no.3, Dec. 1938, p. 9 Smith, Eastman Great range portable vibration instrument. v.l, no.l, Apr. 1938, p. 4. Review of introduction to engineering physics. First edition by Frank N. Entwisle and William Hazell, Jr. v.2, no.2, Nov. 1938, p. 13 Society for the Promotion of Engineering Education. Convention in Texas, v.1, no.3, Je. 1938, p. 9 Solution of simultaneous linear equations by successive approximations. William S. La Londe, Jr. v.l. no. 3. Je. 1938, p. 6 Some elements of matrices indicated from analysis of 4-terminal networks. S. Fishman. v.2, no.4, Feb. 1939, p. 6 Something specific President's diary. V.2, no.5, Mar. 1939, p. 4 Stage demonstration, a President's diary. v.2, no.2, Nov. 1938, p. 4 Starrs, Theodore E., for material about see Professionalities. v.2, no.6, May 1939, p. 13 Student engineering societies v.2, nos.1, Oct. 1938, p. 7; no.2, Nov. 1938, p. 13; no.3, Dec. 1938, p. 14; no.4, Feb. 1939, p. 12; no.5, Mar. 1939, p. 12; no.6, May 1939, p. 11 Stewart, V. T. The gyrus storage battery, v.2, no.2, Nov. 1938, p. 11 Technical article by Professor Nims v.2, no.6, May 1939, p. 8 They used their heads Malcolm Eagles Runyon, v.2, no.4, Feb. 1939, p. 4 Van Antwerpen, F. J., for material about see Alumni personalities. v.2, no.1, Oct. 1938, p. 12 Van Houten, Robert W. Retrospect and prospect. v.l, no.1, Apr. 1938, p. 10 Way we see it, the v.l, no.l, Apr. 1938, p. 11 Weston, Dr. Edward: bequest and library progress President's diary. v.l, no.3, Je. 1938, p. 2 What has happened to our 1938 graduates Robert Widdop. v.2, no.5, Mar. 1939, p. 12 What our professors are doing v.2, no.6, May 1939, p. 10 What our readers say, v.1, no.2 & 3, May & Je. 1938, p. 11 v.1, no.2 & 3, May & Je. 1938, p. 11; v.2, no.1, Oct. 1938, p. 13; v.2, no.3, Dec. 1938, p. 13; v.2, no.4, Feb. 1939, p. 13; v.2, no.5, Mar. 1939, p. 13; v.2, no.6, May 1939, p. 13

What price publicity?

President's diary. v.l, no.3, Je. 1938, p. 2
Widdop, Robert

College guidance for engineers. v.2, no.1, Oct. 1938, p. 10. What has happened to our 1938 graduates. v.2, no.5, Mar. 1939, p. 12

Wilkinson, George D.

Economic growth; a study of the concept of limitless expansion of industry. v.l, no.3, Je. 1938, p. 4. For material about see What our professors and graduates are doing. v.l, no.1, Apr. 1938, p. 11