

INSTITUTE FOR MATHEMATICS AND ITS APPLICATIONS

SEE

MATHEMATICS AND ITS APPLICATIONS, INSTITUTE FOR.

INSTITUTE OF AERONAUTICAL SCIENCES.

Officers listed.	16:65
Hold 6th Take-Off in Union with strato theme.	16:120
Group photo.	16:142
Sponsors student aviation research contest.	17:19
Brief note re activities.	17:66
Brief note re activities.	17:171
Group photo.	17:175
Brief note re activities.	17:202
Note re activities.	18:64
Aero Ball set for Feb. 1, 1938.	18:93

(CONTINUED ON NEXT CARD)

INSTITUTE OF AERONAUTICAL SCIENCES.

(CARD 3)

Given supervision of the aeronautical technical reference file (WPA project 65-1-71-140); note re other activities.

20:216

Note re activities.

21:14,42,63,
90,115,138,
165

Group photo, 1941.

21:196

Officers listed.

22:19

Note re activities.

22:46,128,150,
206

Installs chapter of Tau Omega.

24:14

Note re activities.

24:46

(CONTINUED ON NEXT CARD)

INSTITUTE OF AERONAUTICAL SCIENCES.

(CARD 2)

1938 officers listed.

18:108

Aero Ball to be held; IAeS News being distributed, note re other activities.

18:119

Group photo.

18:190

Offers sophomore scholastic award.

18:200

Aero Take-Off to be Feb. 21, 1939.

19:116

Group photo.

19:196

Note re activities.

20:44

Holds final meeting.

20:68

Student pilots eligible for Shell Oil scholarship.

20:115

Group photo, 1940.

20:203

(CONTINUED ON NEXT CARD)

INSTITUTE OF AERONAUTICAL SCIENCES.

(CARD 4)

Choose spring officers.

24:266

Note re activities.

26:20,68,108,
362

Planning reorganization.

26:282,298

Group photo, 1946

26:343

Officers listed.

27:130

Note re activities.

28:190,278,
344

Note re activities.

29:66,278

Sponsors trip to Rosemount to aid in constructing new building.

29:108

Aero Ball to be held Feb. 21, 1949.

29:196

Elects officers.

30:2:28

● (CONTINUED ON NEXT CARD)

INSTITUTE OF AERONAUTICAL SCIENCES.

(CARD 5)

Note re activities.

30:3:23

" " "

30:5:26

" " "

31:5:16

" " "

31:7:19

" " "

31:8:12

Brief description in article re engineering societies.

33:7:42

Note re activities.

35:3:58

" " "

35:4:46

" " "

35:5:55

" " "

35:7:49

" " "

36:302

(CONTINUED ON NEXT CARD)

INSTITUTE OF AERONAUTICAL SCIENCES.

(CARD 6)

Note re activities.

38:3:36

" " "

38:4:34

" " "

38:6:43

Aero activities: description of IAeS;
illus.

38:8:14-15

Note re activities.

39:2:40

" " "

39:3:20

" " "

39:4:36

" " "

39:5:38

" " "

39:6:33

" " "

40:2:27

Note re organization.

41:1:33

INSTITUTE OF AEROSPACE SCIENCES.

Note re organization; 1962 officers listed.	43:1:36
Note re activities.	43:4:58
" " "	43:5:44
" " "	43:6:36
" " "	43:8:7
Brief description; 1963 officers listed.	44:1:32

INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERING.

Brief description; 1963 officers listed. 44:1:32

Description of organization. 44:3:22

INSTITUTE OF SCIENCES. (PROPOSED)

Two strikes against the Institute of
Sciences; editorial.

42:1:9

INSTITUTE OF TECHNOLOGY

SEE ALSO

COLLEGE OF ENGINEERING.

INSTITUTE OF TECHNOLOGY.

Institute of Technology (reorganization and renaming of College of Engineering); illus.16:30

Committees study plans of new Institute for set-up in Fall. 16:122

M.I.T. under new heads: Straub, Smith and Constock aid Lind; photos. 17:39

Education in the Institute; editorial. 17:132

The engineer prepares for service. 17:194-195

A unified Institute. 18:12

Announces curriculum changes, laboratory expansion. 18:20-21

Institute expands its facilities for research; illus. 18:50-52

● (CONTINUED ON NEXT CARD)

INSTITUTE OF TECHNOLOGY.	(CARD 2)
Banquet to be held for seniors.	19:204
Institute directory planned.	20:170
Group photo of secretaries; 1940.	20:205
Let's look at the engineer; a <u>Technolog</u> survey; illus.	22:35
College by the year; illus.	22:118-119
Group photo of class of 1946, largest in I.T. history.	23:86
Twenty-five years of engineering at Minnesota.	25:29
A message from Pres. Morrill re I.T.	26:7,34
Editorial re engineering education at University of Minnesota.	29:55
	(CONTINUED ON NEXT CARD)

INSTITUTE OF TECHNOLOGY.

(CARD 3)

Is I.T. a trade school?

29:172

Introducing Dean Spilhaus; photo.

29:190

Block diagram of the Organization of
I.T.

30:2:18

Editorial re changes in I.T. between
1946 and 1950.

30:8:5

Those were the days, the first quarter-
century of engineering at Minnesota...

31:1:17-18,40

I.T. spotlights; illus.

32:5:16-17

Warning: scientists at work; illus.

32:6:24-25

Inside I.T.; illus.

33:1:15-17,40

Two year program for transfer students
briefly noted.

33:2:24

● (CONTINUED ON NEXT CARD)

INSTITUTE OF TECHNOLOGY.

(CARD 4)

How do we stand among colleges of engineering?

33:4:22,36

Editorial re budget for I.T.

33:5:56

Group photos of students.

34:8:22-23

You've never had it so good (history)

37:435,470

I.T. separates into upper & lower divisions.

40:8:10,36

I.T. tries TV; illus.

42:2:10-11,44

Engineering is losing out (re dropout rate); editorial.

43:6:5

Five years become four.

45:4:30-31,52

● (Continued on next card)

INSTITUTE OF TECHNOLOGY.

(CARD 5)

The good old days; history;
illus.

47:7:6-11

An interview with Dean Cheston:
I.T. expansion; illus.

49:3:14-15,26

I.T. student lounges; illus.

49:4:30-31

We lost the money; editorial
comment.

49:5:9

I.T red tape cut.

51:3:6

The Minnesota minority (Project
Technology Power); illus.

51:6:4-6

Continued on next card

INSTITUTE OF TECHNOLOGY

(card 6)

From the establishment: (Dean's Office)
information for students.

52:1:10

The changing of the guard: Dean
Cheston resigns, Dean Richard A.
Swalin takes over.

52:1:19,31

Grade review: to eliminate "F" grades
Fall 1972.

52:8:30

Preparing curriculum to add liberal
arts background with cooperation of
school of Public Affairs.

53:8:15

What is the future of I.T. under-
graduate education?

54:8:14-15

● (Continued on next card)

INSTITUTE OF TECHNOLOGY

(CARD 7)

Article re Dean Swalin, selection of new dean.

58:2:8-10

Toward a better I.T. for the disabled.

58:6:14-16

Problems created by retrenchment and increased enrollment described.

S1:1980:4-5

Towards an I.T. community (editorial)

16:2:26

High technology and big government:

re government science policy and I.T.

61:6:18=21

Receives \$400,000 from Exxon Education

Foundation for support of graduate students.

62:3:21

I.T. keeps up with the times; history; illus.

64:1:12-16

INSTITUTE OF TECHNOLOGY

(Card 8)

V. Rama Murthy steps down as dean, returns to teaching and research; photo.

65:1:7

Three year plan to integrate microcomputers into I.T. curriculum; photos.

65:1:8-10, 32-34

Interview with new dean Ettore F. Infante; photo.

65:1:18-19

I.T. professors predict new developments in their fields.

67:5:12-13

Lower Division Programs office established in 1968, offers students many opportunities to help their education in I.T.; illus; photo.

69:4:8-9, 15

Honors Program described.

69:4:14

INSTITUTE OF TECHNOLOGY.

(Card 9)

Is tenure in the best interest of the I.T. undergrad? 70:3:24

President Nils Hasselmo discusses the future of
undergraduate education at the U of MN; photo. 70:6:7-8

Mind-numbing classwork is the standard route for
engineering students; is it the only way?
(editorial).

71:4:2-3

Freshman advising goes up as enrollment goes down.

72:2:26-27

Well-rounded student = engineer?

72:5:2-3

I.T. year in review.

72:6:13-16

INSITUTE OF TECHNOLOGY. SOCIETIES

SEE

NAME OF SOCIETY, OR
SOCIETIES AND ORGANIZATIONS.

INSTITUTE OF TECHNOLOGY. TECHNICAL
COMMISSION

SEE

TECHNICAL COMMISSION.

INSTRUCTIONAL METHODS

SEE

TEACHING METHODS.



INSULATION.

- Heat transmission tests run for more than
two years are completed; illus. 3:8:5,18
- Insulating materials testing; illus. 6:252-253,276
- Minnesota, the home of insulating
materials; illus. 8:6-7,26
- Porcelain insulators; illus. 10:182-183,206
- Bus bar insulators are tested. 17:18
- Article re development of apparatus
to test physical properties of structural
insulating boards at Eng. Exp. Station;
photo. 27:178

INSURANCE.

The appraisal and engineering.

4:3:9-11,29

INTERIM IRON ORE BOARD.

Dean E.H. Constock appointed to Board. 20:43

INTERIM PROGRAMS.

Editorial re possibility of establishing 55:1:4
program at U. of M.

INTERIOR DESIGNING COURSE.

Five year course described.

14:42

INTERN PROGRAM

SEE

ENGINEERING INTERN PROGRAM.

INTERNATIONAL ASSOCIATION FOR THE EXCHANGE OF STUDENTS
FOR TECHNICAL EXPERIENCE.

Article re.

50:4:27-28

INTERNATIONAL BUSINESS MACHINES.

Spotlight on industry; illus.

45:5:30-31

INTERNATIONAL STUDY AND TRAVEL CENTER.

Can supply information re engineering intern-
ships abroad. 64:3:7

Advice for I.T. students wishing to study abroad;
illus. 69:4:10-11

INTERSTATE HIGHWAY SYSTEM

SEE

HIGHWAYS.

INTLEHOF, JACK.

Chosen Engineer Day chairman.

15:130

St. Pat's Day.

15:148

Chairman of 1935 Engineers' Day;
photo.

15:172

INTRAMURAL SPORTS.

Practice for inter-class basketball to start.	1:4:17
Freshman basketball team plays 1st practice game.	1:5:17
1st game played by engineers' baseball team, April 18 against Laws ends in tie.	1:7:24
Engineers are baseball champs for 1921.	1:8:22
Engineering intramural athletics.	2:4:10-11
Athletics.	2:5:13
Athletics.	2:8:12
Sports.	3:1:14-15
Sports.	3:2:14
Sports.	3:3:15



(Continued on next card)

INTRAMURAL SPORTS.	(CARD 2)
Inter-class basketball.	3:4:14
Hockey, basketball.	3:5:15
Sports.	3:7:22
Engineering athletics.	4:2:13
Sports.	4:4:16,23
Miners-Chemists annual football game held.	5:3:18,19
Frosh start basketball.	5:5:21
Seniors win 1st place in basketball league.	5:6:18
New athletic board formed.	6:49
Chemist-Miner football game results in 0-0 tie.	6:82

● (Continued on next card)

INTRAMURAL SPORTS.

(CARD 3)

- Engineers star in intramurals; Bookstore gives Key awards. 6:83
- Athletics for every engineer; photo. 6:219,232
- Technical College intramural sports. 7:12
- Fall sports on Tech. Campus. 7:81,94
- Winter Tech intramural athletics. 7:112
- Engineers lose hard games in intramural eliminations. 7:176
- Engineers in athletics. 7:238,258
- Hockey and basketball teams start play. 8:128
- News. 8:150
- Engineering sports. 8:222
- Engineers receive athletic awards. 10:266

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INTRAMURAL SPORTS. . .

(CARD 4)

Athletic awards made at annual convoca-
tion.

11:46

Engineers participate in intramural
sports.

18:118

Athletics for engineers.

20:22

IOTA SIGMA PI.

New members listed.	7:269
New members listed.	8:279
New members listed.	9:291
New members listed.	10:297
New members listed.	11:242
New members listed.	12:210
Iniates listed.	13:255
Brief note re activities.	14:44

IRANI, R.

K

Depth-10,000 ft.; illus.

Brief biog.

42:2:14-15

42:2:15

IRELAND, DONALD R.

Russia: radioisotopes and steel; illus. 40:3:10-13

IRON AND IRON MINING.

- The corrosion of iron and steel; illus. 3:3:9-10
- Rusting of iron structures; illus. 3:5:6,32
- Results of the Pittsburgh test. 4:6:13,30
- The iron range is being electrified;
illus. 5:8:8-9
- Producing pig iron in Northern Minnesota;
illus. 7:74-75,88
- Iron mining in the Lake Superior district;
illus. 10:220-221,238
- Bureau of Mines produces ferr-manganese
from Minnesota ore; illus. 12:53-55,72
- Trucking iron ore; a profitable innova-
tion; illus. 19:77-79

(CONTINUED ON NEXT CARD)

IRON AND IRON MINING.

(CARD 2)

- Research in the Institute: description of John
Searles research; illus. 19:108
- Cast iron pavement. 19:134-135
- Saving our resources; illus. 21:64-65
- The future of the mighty Mesabi. 23:194,213
- Steep Rock Lake, the source of hidden
iron ore; illus. 24:179-180,196
- Iron ore reserves on the Mesabi Range;
illus. 27:96-99,109
- Iron means jobs; illus. 33:8:20-21,34
- Magnetic exploration; illus. 34:5:11,32
- Don't haul it, skip it; illus. 36:450-452
- The pick & shovel days of iron
mining; illus. 37:524-526

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IRON AND IRON MINING.

(CARD 3)

IRON ORE

SEE ALSO

TACONITE.

IRON WEDGE

New engineering members listed.	7:269
New engineering members listed.	8:279
New engineering members listed.	9:291
New engineering members listed.	10:297
New engineering members listed.	11:242
New engineering members listed.	12:210
New engineering members listed.	13:255
New engineering members listed.	14:173
New engineering members listed.	19:210

IRVINE, THOMAS

Heat transfer research aims at
re-entry.

38:4:48

IRVINE PARK, ST. PAUL

SEE

ST. PAUL.

ISAACS, ALVIN.

Ahoy-the Pacific; illus.

17:29-31

Shanghai adventure; illus.

18:176-177

The U.S. Merchant Marine; illus.

19:101-103

Biog. and photo.

19:118

ISAKSON, EVERETT.

Brief biog.

Architecture; illus.

28:134

28:144-146

ISBIN, HERBERT S

Interviewed re nuclear power; photo.

64:2:29

ISCA, JAMES

Space; illus;

38:5:51-53

ISOTOPES.

Research in the Institute: isotope separation.

19:134,

20:38

I.T. BOARD OF PUBLICATIONS.

To be created from reorganization of Technolog
Board; editorial.

61:3:4

1991 staff pictured.

71:6:5

I.T. WEEK.

Statement re first I.T. week, 1967.	47:7:19
Note re tradition.	48:4:9
A comeback.	48:5:9
Notes re activities.	50:7:9
E-Week, 1972; plans.	52:4:7
Events listed for 1982 week.	62:5:4
I.T. Week: a history.	62:6:11-12
History, activities described, schedule of events; illus.	63:6:21-22

I.T. WEEK.

(Card 2)

- History, activities described, schedule of events;
photos. 64:6:30-31
- Activities described, schedule of events; photos. 65:6:8-9
- Highlights. 66:6:9
- History of I.T. Week. 66:6:24-25

IVERSON, KENNETH G

Brief note re activities.

29:236

JAASTAD, KAY.

1958 E-Day Queen, photo.

38:8:23

JACKSON, FRED.

Photo.

21:172

Uncultivated, no! there is music for
engineers; illus.

21:200

Brief note re activities.

22:99

JACKSON, M L

Research at Minnesota: experimental distillation
column; illus. 28:112

JACOBI, ALFRED J

Patent office possibilities.

9:109

JACOBS, J

DONOVAN.

Engineering in grain handling. illus.

10:290-291,
362

JACOBS, RICHARD, O

Wins Boeing award.

15:156

Brief note re activities.

18:114

JACOBSON, ARTHUR.

Captain of the cross-country team.

photo.

3:6:13

photo.

4:2:13

JACOBSON, CARL A

A radio controlled car: feature of the
electric party. illus.

9:250-251

Brief biog. and photo.

23:36

Know your Army Signal Corps; illus.

23:48-49, 56

Brief note re activities.

23:148

JACOBSON, HOWARD C

Delegates' report of the National Convention
of the Guard of St. Patrick.

1:5:11

Engineers' Bookstore 'shoves off' into
fifth year.

5:1:10,18

JAKKULA, ARNE A

Studying a nations highways; efficiency of
concrete pavement studied. illus. 7:76-77,98

Conducting tests on the heat of setting
concrete. 7:113

Heat changes in cement during setting. 8:111,126

JALMA, MICHAEL M

Photo in connection with article re
band.

5:2:11

JANES, CLINTON W

The flood crest passes (English theme)

8:160,162 .

JANSEN, NORM

1956 E-Day Queens chairman; photo.

36:543

JANSEN, PAUL.

1947 St. Pat; photo.

27:259

JANSKY, C M

Attends radio conference. 3:6:18

Regulation of radio broadcasting. 6:69,86

Granted sabbatical leave for winter
quarter, 1927. 7:126

Nominated to Federal Radio Commission. 9:222

JAPAN.

The western engineer helps Japan industrialize;
illus. 12:3,22

Old and new rub elbows in China and
Japan; illus. 15:72-73,82-83

We climb Fujiyama; illus. 18:80-82

JAPS, ARCHIE.

Chosen 1932 Engineering Day Chairman.

12:7:164

Photo.

12:185

Brief note re activities.

19:112

JENKINS, C FRANCIS.

Moving pictures by radio. illus.

6:10-11, 24

JENSEN, A. J

It's your choice; illus.

38:5:34-35

Power semiconductors; illus.

38:6:22-23,

46-47

There's something fishy about this!;
illus.

39:8:6-7,35-36

JENSEN, ARNOLD A

When war is declared; illus.

Biog. and photo.

19:75-76

19:94

JENSEN, CYRIL.

Chosen captain of track team.

1:5:17

JENSEN, HARRY

Product packaging; illus.

39:2:22-23, 58

JENSEN, HERBERT.

Your engineers' bookstore (financial report); illus.

13:42

Night life is most spectacular feature at World's Fair; illus.

14:30-31

On Technolog Board; photo.

15:125

JENSEN, JERRY

Escape!

36:1:43

Final survey; illus.

36:145-147

1957 E-Day Business Manager; photo.

37:8:614

1958 St.Pat candidate; portrait.

38:7:25

JENSEN, NORM

1956E-Day queen chairman; photo.

Editor's page.

36:543

37:240,320

JENSEN, ROBERT.

Research: polio tests; photo.

28:282

JENSON, ROY J

Air-conditioned paper (re air-conditioning);
illus. 30:2:10-11
Brief biog. and photo. 30:2:11

JENSON, JOHN ARTHUR.

Brief note re activities.

3:3:26

JET AIRPLANES

SEE

AVIATION.

JEWETT, A C

Review of his book: An American engineer in
Afghanistan. 29:235

JINX BALL

Fifth annual will take place Jan. 27, 1928.

8:114-

115

6th annual described.

9:149

JOB ORIENTATION AND TRAINING.

- The graduate in industry; illus. 6:179,194
- Graduate training with large industrials;
illus. 9:74-75,90
- Industry renewed that apprentice idea:
why? 12:177,199
- Large industries conduct practical training
courses; illus. 14:140-141
- Are you worried about your job? 18:109
- From a senior in college to a freshman in
industry: tips on transition. 20:58-59
- Graduates are headaches to industry during
those vital first years on the job. 20:132-133
- (CONTINUED ON NEXT CARD)

JOB ORIENTATION AND TRAINING.

(CARD 2)

A recent graduate tells what to expect
from industry; illus.

20:156-159

Finding your future; illus.

27:302-303,314

The engineering graduate and his first
year in industry; illus.

40:4:18-21

You and your future.

40:7:16-17,22

JOHANSEN, BARRY

Splinter from the log.

Splinters.

"

"

"

"

"

"

51:1:30

51:2:30

51:3:23

51:4:20

51:5:31

51:6:24

51:7:20

51:8:18

JOHN H. WILLIAMS LABORATORY OF NUCLEAR PHYSICS.

Article re; illus.

51:5:6-7

JOHNSON, ARCHIE.

Committee chairman; E-Day, photo.

27:263

JOHNSON, B

T

Einstein made simple; theory of relativity.

37:623-624

JOHNSON, BEATRICE.

1931 Engineering Day Queen. photo.

11:214-215

Brief note re activities.

13:222

JOHNSON, BILL.

Retractable art; illus.

53:4:12-15

Cable TV

53:5:10-13

Architectural models; illus.

53:7:21

JOHNSON, BOB.

The private pilot's license.

50:2:24-25

JOHNSON, BRIAN

Lake Superior polluted?

52:2:14-15:

24-27

D-day for design.

52:8:16

JOHNSON, CLARK.

Geiger counters; illus.

Brief biog.

29:96-97,122

29:97

JOHNSON, DAVE.
A sour note.

30:1:22

JOHNSON, DWIGHT.

Brief biog. and photo.

28:48

JOHNSON, E L

Caricatures of janitorial staff.

3:2:6

JOHNSON, ED.

Brief biog. and photo.

26:92

JOHNSON, ELMER W

<u>Testing automobile headlights; illus.</u>	8:274,275
Biog.	14:113
Biog. and photo.	25:282
To direct senior orientation class.	26:158
Photo.	27:270
Biog. and photo.	28:334
Photo.	36:546
Photo and note of sympathy.	40:1:24-25
Sketch.	40:2:cover
A dedication (to Johnson)	40:2:11

JOHNSON, ELWOOD P

Brief note re activities.

13:50

Brief note re activities.

16:176

Brief note re activities.

29:320

JOHNSON, GERALD.

Brain teasers.

" "

" "

" "

45:4:56

45:5:36

45:6:44

45:8:28

JOHNSON, JAMES A

Steam power on the range; illus.

29:180-182

Brief biog. and photo.

29:181

JOHNSON, JEAN.

1954 E-Day Queen; 3-D photo.

34:8:41

JOHNSON, JOHN.
Photo.

27:62

JOHNSON, JOHN A

Man's conquest of space.

38:1:26,27

JOHNSON, LAURENCE E (DUKE)

on varsity football team; photo.

7:45

JOHNSON, MARVIN.

Winner of 1937 Northern States Power Co.
prize.

17:193

JOHNSON, MILAN.

Appointed Assistant Professor.

26:158

JOHNSON, NORTON

The Bell System; illus.

50:2:30-31

JOHNSON, PAUL J

Brief biog. and photo.

29:22

JOHNSON, PHYL.

Biog. and sketch.

25:270-271

JOHNSON, RALPH P

Once again-the civil engineers have been at
their summer camp. illus.

8:44-45, 58

Note re activities.

13:80

JOHNSON, RICHARD

From theory to practice in aerodynamics,
structure, & design; illus.

38:8:38-39

JOHNSON, ROBERT L.

Mariner IV; illus.

45:4:14-16,52

Automatic controls; illus.

46:4:14-16,62

JOHNSON, ROY D

Brief note re activities and photo.

29:22

JOHNSON, SANDY.

Another look at calculators.

57:2:21-23

JOHNSON, SARAH LYNN.

1962 E. Day Queen; photos.
Photos.

42:8:6-11

43:3:28-29

JOHNSON, SHELDON.

Business manager of 1938 Arab production.
photo.

8:208

JOHNSON, STAN

1957 E-Day picnic chairman;photo.

37:616

JOHNSON, WALTER K.

Biog. and photo.

45:2:30

Quoted re teaching assistants.

56:6:11-13

Interviewed re acting deanship,
future problems of I.T.

59:4:20

JOHNSON, WARREN E

1956 St. Pat candidate; brief biog and
photo.

36:403

1956 St. Pat; photo.

36:546-547

JOHNSRUD, A L

Photo.

Very thin films of rubidium.

9:141

9:141,170

JOHNSTON, GERALD.

Biog. and photo.

24:56

Can you supply it? A substitute for
paper; illus.

24:66,70

JOHNSTON, JAMES E

Brief biog. and photo.	22:196
Article re plans for E Day ball; photo.	22:209
<u>The life of Slapsie Maxie Drulman.</u>	22:210-211
Brief biog. and photo.	22:232

JOHNSTON, LAWRENCE
Photo.

36:272

JONATHAN

Living room; illus.

52:5:15,20-22

JONES, FREDERICK W

Former engineering dean is threatened with
loss of sight. pic. & biog.

6:152

A tribute to a former dean.

7:149

JONES, J J

Directing research on discharge of water from
fire nozzles.

5:4:21

JONES, LAUDER W

Brief article re visit and biog.

3:7:17

JONES, ROBERT T

Faculty sketches; photo.

10:51

On leave; Holien appointed.

15:16

On exchange; teaching at M.I.T.

16:22

JONES, ROY CHILDS.

Terra Cotta; illus.

1:2:14-17

Brief biog. and photo.

20:176

Photo.

20:205

Our student architects look to the future; illus.

25:112-113

Photo.

26:348

Biog. and photo.

28:336

JORDAN, PHILIP.

Review of his National Road.

28:352

JORDAN, RICHARD C

Brief note re activities.	17:138
<u>Mechanical engineering</u> ; illus.	26:329,360
Directs low-temperature research.	33:4:17,42
Photo.	33:4:42
Biog. and photo.	38:5:22-23
Biog. and photo.	43:8:9

<u>Education of the engineer: summary</u> <u>of the report of the Engineering Programs</u> <u>Study Committee.</u>	50:6:23-25,28- 29
<u>What is mechanical engineering at</u> <u>Minnesota.</u>	50:1:31

JORGENSEN, KARL.

An error in line 23 (science fiction
contest winner)

57:4:10-13

Log E; illus.

57:5:10-11,

Log E²; illus.

18-20

6:8-11

JOSEPH, BOB.

Iron through the ages; illus.

33:6:12-13,44

Brief biog.and photo.

33:6:12

JOSEPH, THOMAS.

Brief biog. and photo.

26:264

Brief biog. and photo.

27:292

JOSEPH, THOMAS L

<u>Bureau of Mines produces ferromanganese from Minnesota ore; illus.</u>	12:53-55,72
Photo.	12:53
Brief biog.	12:55
Gets R.W. Hunt award.	17:114
Attends meeting of A.I.M.M.E.	18:118
Research in the Institute: carbon control in steel.	19:180
Heds committee on five year curriculum: faculty to review report.	26:108
<u>Four careers offered by the School of Mines; illus.</u>	26:319,354
Photo.	26:348

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JOSEPH, THOMAS L

(CARD 2)

Your career in the School of Mines.

28:15,30

Biog. and photo.

28:335

Introducing Mines and Metallurgy;

photo.

29:139

JOURNAL CLUB.

New organization formed for those interested
in current chemical literature. 1:8:23

JOURNALISM.

- | | |
|--|------------|
| Opportunities in engineering journalism. | 10:16,34 |
| Facsimile transmission; illus. | 19:130-131 |
| Life of a journalism student (humor re
Ski U Mah) | 22:210 |

JUBILEE, ARCHITECTS'

SEE

ARCHITECTURE, SCHOOL OF

KSTP.

- | | |
|---|-------------|
| Constructing a modern plant for Twin City station (KSTP) illus. | 12:32-33,42 |
| KSTP's mobile short wave unit; illus. | 17:53-55 |
| Your newspaper takes wing: facsimile transmission; illus. | 19:130-131 |
| KSTP's new building; photo. | 29:220 |
| Inside KSTP-TV; illus. | 35:7:10-12 |

KUOM

SEE ALSO

9XI
W9YC
WLB

KUOM.

University radio station.

1:3:18

University KUOM station; illus.

27:95,108

KACHEL, BUD.

Squelched (re defeat of proposed Technolog
constitution.

32:7:17

A good log or???

32:7:30

KAERCHER, WILLIAM.

Civils take a vacation or...nine credits
of rain; illus.

22:12

KAHAN, HILLARD.

Project contract-stress; illus.

41:5:20-21,28

KAHN, HOWARD.

The School of Chemistry, 1868-1903-1934-??; a sketch of dynamic growth and development.

14:94

Squeekin' thru the keyhole (humor)

14:120

\$18,000,000 sewage disposal program undertaken by Twin Cities; illus.

14:123-125

Kahn notations (humor column)

14:136,152,168,
184

Where the graduating seniors get their say.

14:181

New soap manufactured from complex alcohol.

15:6-7,21

Kahn notations (humor column)

15:84,108-109,
132-133,
155, 180

KAHN, PHYLLIS.

Article re political involvement, 1972;
photo.

53:1:16-18

KAHNE, STEPHEN.

Photos.

51:3:14-15

KAIL, JANICE

Chemical engineering graduate, delivers commencement address to I.T. class of 1985; photo.

66:1:25,30

KAISER, HAROLD B

As we see...the stereotyped engineer;
illus.

30:7:7

Among the EE faculty; photos.

31:3:18-19,40

Among the Chem E faculty; photos.

31:4:12-13

Among the Chemistry faculty; photos.

31:5:18-19

Metals and mines; photos.

31:6:16-17

Among the Aeros; photos.

31:7:22

Football foibles; illus.

32:1:18-19

KAISER, KATE.

Road rallying; illus.

57:5:6-7

KAMPF, KRIS.

Splinters.

"

"

52:2:20

52:3:30

52:4:26

KANTAR, MIKE.

Fundamentals of high fidelity speakers;
illus.

49:4:14-16

41-42

Patents.

49:5:14-15,24

KAPPA ETA KAPPA.

Holds initiation.	15:130
Group photo.	16:148
Group photo.	17:180
Group photo.	18:193
Group photo.	19:198
Nat'l convention held in Minneapolis.	20:68
Tri-Tech formal planned.	20:116
Group photo.	20:200
Brief description and history.	21:116
Group photo.	21:193
Group photo.	22:219
Brief note re activities.	26:20

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KAPPA ETA KAPPA.

(CARD 2)

Pledges new members.	26:198
New officers listed; activities.	26:234
Brief note re activities.	26:216, 362, 234
New officers listed.	26:234
Group photo.	26:345
Activities. Tri Tech Ball to be held April 12.	27:216
Brief note re activities.	28:24, 150, 190, 198
Host to nat'l convention; initiates and pledges listed.	29:108
Plans made for 1949 Tri Tech Dance.	29:278

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KAPPA ETA KAPPA.

(CARD 3)

Brief note and photo.	29:332
Holds smoker.	30:2:15
Homecoming festivities; photo.	30:3:38,40
Holds Christmas party; group photo.	30:4:17
Brief note re activities.	30:5:26,30
Note re activities; photo.	30:6:19
Note re activities; photo.	30:7:17
E Day, 1950 activities.	30:8:18-19
Note re activities.	31:2:12
Note re activities; new activès listed.	31:4:15
Note re activities.	31:5:16
Activties; officers listed, new members listed.	31:6:19

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KAPPA ETA KAPPA.	(CARD 4)
Note re activities.	31:7:18
E Day activities; new pledges listed.	31:8:12
Description of fraternity; photos.	33:3:21
Pledges listed; activities noted.	35:2:41
Note re activities.	35:3:37
New actives listed; 1955 officers listed; pledges listed; general activities listed.	35:5:41
Activities and election results listed.	37:290
Note re activities.	37:483
New pledges listed, Note re summer, 1957 activities.	38:2:48, 64
Note re activities.	38:3:38

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KAPPA ETA KAPPA.	(Card 5)
Note re activities.	38:4:36
New initiates & pledges listed; Note re activities; photo.	38:6:66
Description of society.	39:2:44,55
One active, pledges, new officers listed, note re activities; photo.	39:5:37
Note re activities.	39:6:32
New actives listed; note re activities; photo.	39:7:31
Pledges listed; note re activities.	39:8:42-43
Pledges listed; note re activities & purpose of society.	40:2:26

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KAPPA ETA KAPPA.

(Card 6)

Initiation held, new officers listed,
note re activities.

40:5:24

Note re activities; new members listed.

40:7:18

Note re activities.

40:8:24,28

1960-61 officers listed; note re
activities.

41:1:32

Initiates & new actives listed; note
re activities.

41:2:30

New actives listed; Note re activities.

41:5:31

New officers and initiates listed, note
re activities.

41:6:28-29

Note re activities.

41:7:25

" " "

41:8:16

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KAPPA ETA KAPPA.	(CARD 7)
Note re activities.	42:2:30
Pledges and 1961-62 treasurer listed, note re activities.	42:3:31
Note re activities.	42:4:28
Note re activities; new members listed.	42:5:28
Note re activities; 1962 officers listed; new pledges listed.	42:6:31
Note re activities, new pledge listed.	42:8:18
Note re organization; 1962 officers listed.	43:1:37
Note re activities; new pledges listed.	43:3:42

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KAPPA ETA KAPPA.

(CARD 8)

- Brief description; 1963 officers listed. 44:1:33
Description of organization. 44:2:20
Notice re reorganization. 48:6:56
Brief note re and photo of 1974 E-Week
car race entry. 54:8:27
Advertisement. 58:5:18
Brief description. 59:1:18

KAPPA KAPPA GAMMA.

Selling Teachnologs; brief history of
sorority; photo.

28:48

KASAN, MAURICE B

Hi-temp alloys; illus.

31:1:16, 34

KASTER, ROBERT L.

<u>The sheet of paper</u> ; Part 1; illus.	40:2:20-23
Part 2	40:3:17
<u>Punch cards, pines and progress</u> ; illus.	40:4:13,34
<u>Its quilted</u> .	40:5:8-9,26
<u>Dental amalgam</u> ; illus.	41:1:18-19,30
<u>Job-hunting the easy way</u> .	41:4:18-19,28
<u>What's new in engineering</u> ; illus.	42:2:22-23
" " " " "	42:4:31
" " " " "	42:5:30
" " " " "	42:6:24

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KATTER, CAL K

The by-product coke industry; illus.

2:5:12,16-17

KATZ, JERRY A.

Biog. and photo.

Obsolescence.

44:1:40

45:3:8-12

KAUFERT, FRANK H

Brief note and photo.

26:218

Development in wood products; illus.

26:222-223,240

Humor article re Kaufert Laboratory;
photo.

55:2:12-13

KAUFMANIS, KARLIS.

Biog. and photo.

45:2:30

KAVANAUGH, JON.

Math, science popularity cause pressures
for I.T.

57:2:25-26

U's metric counter.

57:3:17-19

Abraham Berman: outstanding I.T. professor;
ports.

57:6:6-7

KEARNEY, ADRIAN A

Elected captain of basketball team.

1:7:22

Photo.

2:4:12

KEHRBERG, DANIEL.

Portland cement; illus.

45:2:29

Applied Science Division, Litton

Industries, illus.

45:4:32,47

The Bridge; illus.

45:5:24-25

IBM; illus.

45:5:30-31

Pillsbury; illus.

45:6:36-37

The Log's log.

46:1:8-9

" " "

46:2:8-9

" " "

46:3:8-11

" " "

46:4:8-10

" " "

46:5:8-9

" " "

46:6:10-11

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KEHRBERG, DANIEL.

(CARD 2)

The Log's log.

" " "

" " "

" " "

" " "

" " "

" " "

" " "

" " "

" " "

" " "

46:7:6-7

46:8:8-9

47:1:18-19

47:2:46-47

47:3:40-42

47:4:30-31

47:5:34-35

47:6:36-37

47:7:16-17

47:8:30-32

50:1:12-13

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KEHRBERG, DANIEL.

(CARD 3)

Log's log.

" "

" "

" "

" "

" "

" "

50:2:10-11

50:3:8-9

50:4:8-9,12

50:5:8-9

50:6:8-9

50:7:4-7

50:8:4-6

KELCHER, JOHN

<u>How do we justify the Eiffel Tower.</u>	illus.	38:1:28-30	
<u>3rd & 4th hour</u> (humor)		38:7:58	
<u>The crawler sage.</u>	illus.	38:8:26-27	
<u>Kicks at 10,000 feet.</u>	illus.	39:2:34	
<u>3-D Polarization</u>		39:6:40	
<u>What's new...in engineering;</u>	illus.	41:2:22-23	
"	"	"	41:3:22-23,46
"	"	"	41:4:22-23,30
"	"	"	41:5:24-25,44
"	"	"	41:6:24
"	"	"	41:7:23
"	"	"	41:8:20-21

KELLER, KENNETH H
Biog. and photo.

47:2:18

KELLER, PETE

Brief biog. and photo.

67:1:11

KELLER, RAYMOND W

English-an asset to any engineer.

5:5:15

KELLEY, RAYMOND R

This business o' bein' a saint. pic.

6:218

St. Pat; pic. & brief note.

6:221

KELLOGG, MARTIN.

1952 E-Day Treasurer; photo.	32:8:38
<u>Why have the Tech Party?</u>	33:6:21, 52
Photo.	33:6:21
1953 St. Pat candidate; note and photo.	33:7:28
1953 St. Pat, photos.	33:8:5-12

KELLOGG, PAUL J

Corona of the sun; re his theories; illus.40:2:16-17,40

Article re his research on the solar
corona; illus. 44:5:8-11,38

Research on solar corona and zodiacal
light described; illus. 44:3:18-19,32

The Unified Radio and Plasma Wave Experiment,
under Kellogg's direction, described; illus.63:5:18-21,26

Photo. 63:5:19

KELLY, MARC

Poker probabilities; illus.

35:4:21-24

KEMPCKE, ARTHUR E.

Causes of noise in transitors.

44:5:8-11

KENDALL, D B

Calculating the regulation of synchronous
generators; an empirical formula developed
by F.W. Springer. illus.

12:156-157,168

KENDALL, L ALDEN.

Head of UMD's Industrial Engineering Department, explains program; photo.

71:2:20

KENNEDY, JOE.

Photo.

20:35

KENNEDY, PAUL.

Radio active tracers; illus.

Brief biog. and photo.

30:6:10-11,28

30:6:11

KENNEY, MIKE.

Quoted re rise in age of I.T. students; brief
log. and photo.

57:6:18-19

KENNY, HENRY B

State highway culverts inspected. illus.

5:3:8-10

KERR, JENNIFER.

Living room.

52:5:15,20-22

KERRY, JOHN.

The safety factor (humor)

20:45,72,94,
144,218

KERSTEN, MILES S

- Photo as St. Pat. 14:160e
- Brief biog. and photo. 22:164
- Links of concrete from Natchez to Mobile;
illus. 22:174-175
- Conducting study of thermal properties of
the soil (permafrost) illus. 27:102-103
- Directs research on permafrost at
Oak Street Laboratories. 36:20-21
- Biog. and photo. 43:3:22

KETCHUM, JAMES, R

Searching fingers (radar); illus.

27:296-299

Brief biog. and photo.

28:6,40

My name is mud; illus.

28:165

Brief note.

28:212

Electronic calculators; illus.

28:218-220,238

1948 E Day exhibit chairman; brief note
and photo.

28:327

KETTERING, CHARLES F

Brief note.

We should all be concerned; illus.

30:3:10-11,28

34:8:16

KETTNER, JOHN J

Industry advances; illus.

30:2:19

3:27;4:15,

8:23

Engineering training counts in industrial
sales; illus.

30:6:12-14

Brief biog. and photo.

30:6:12

KEYES, DAVID A

Named 1980/81 Outstanding Teaching Assistant. 62:1:26

KHUFELD, AL

Teaching computers to communicate.

48:3:24-27

KIBBEY, E

W

Teaches legal aspects of engineering.

11:106

KILLEEN, EARLE.

Choral society to sing 'Elijah' at the
Armory.

3:6:9

A letter to Briggy (Summer Signal Corps
Camp)

13:10,24

KILPATRICK, PORTER, W

The crooning cowboys: the Orpheum summer
circuit. illus.

6:114,128

Elected St. Pat.

7:177

1927 St. Pat; photo.

7:236

Our first engineer. illus.

7:237

Brief note re activities.

12:64

Brief note re activities.

13:115

KING, REX.

The I.T. Board; illus.

57:1:30-31

Music meets technology in Scott Hall;
illus.

57:3:21-23

KINGHORN, BILL

Sky diving; illus.

39:2:60-61

KINGSTON, PAUL.

A bridge oddity (Hastings, Minn.) illus.

9:252-253,
268

KINNEY, KAREN

1957 E-Day office manager; photo.

37:614

KINSELL, W L
The Alaska railroad. illus.

11:206-208,224

KIPP, DONN.

Off the top of my head.

" " " " " "

42:1:18

42:2:20

KIRCHNER, WILLIAM H

Faculty sketch; photo.

6:297

Illustrations and their manufacture;
illus.

7:38-39, 58

Bookstore Board member; photo.

13:235

KIRCHOFF, PAUL W

- Sir Isaac Newton, Father of Modern Science;
illus. 40:2:14-15,40
- Charles Proteus Steinmetz 40:3:8-9,30
- Two Centuries too soon: The life of
Leonardo da Vinci. 40:5:18-21,38
- Physicist, philosopher, mathematician:
Albert Einstien. 40:6:10-11,30
- Sun, Stand Thou still, a Theory of
astronomist Nicholas Copernicus. 40:7:14-15

KIRK, RAYMOND E

Chemistry, the heart of industry.

1:8:13

Returns from sabbatical leave in the
Eastern U.S.

8:77

Beryllium, lighter than aluminum.

8:109-110,122

Resigns to teach at Montana College.

10:52

Accepts eastern position.

12:40

KITTELSON, DAVID B

Receives Arch T. Colwell Merit Award.

59:3:7

KLEIN, MARY.

A meterorologist views his art; illus. 56:1:22-23

I.T. women: looking back; ports. 56:3:8-11

Quality of education: research vs.
teaching. 56:4:22-23

Foods of the future; illus. 56:5:19-21

Ouroboros East; illus. 56:6:18-21

KLEINFELD, LEONARD

St. Paul building Robert Street Bridge. illus. 4:7:9,28

KLEINHENZ, WILLIAM.

Quoted re rising age of I.T. students.

57:6:18-19

KLENCK, ALEK.

O.T.S. Office of Technical Services;
illus.

28:100-101

KLEPINSKI, ROBERT.

The good old days; illus.

Frosh year.

47:7:6-11

48:1:28-30

KLEPPER, LORI.

Red Star (honorable mention, science
fiction contest).

57:4:20-21

KLING, JOHN.

Over the editor's head (humor)

20:48,71

KLINGEL, THOMAS.

1937 St. Pat; photo.

Brief note re activities.

17:150

18:95

KLOPSTEG, PAUL E

How we get our scientific apparatus. illus.

8:2447

245,252

KLOSS, DONALD.

Research: effect of CO₂ on rats; photo. 28:282

KLUEGEL, JOE.

The safety factor (humor)

20:45,72,94,
144,218

KLUG, HAROLD P

Research in the Institute; complex metallic
hydrides; illus. 19:135

Resigns to be in charge of research
at Mellon Institute. 26:158

KLUZEK, ROBERT.

Brief biog. and photo.

26:218

Synthetic rubbers are really elastomers;
illus.

26:288-229

KNAUFF, JOHN B

Growing by leaps and bounds, the Greater
University Fund.

30:8:22

KNIGHT, ED.

Photo.

22:28

Let's look at the engineer; a Techno-
log survey; illus.

22:35

That's what you think about a college
education; a Technolog survey.

22:63

KNIGHT, MORRIS.

Obituary; photo.

13:232

KNIGHT, ROGER.

Brief biog. and photo.

26:235

KNOBLOCK, F

D

Appointed instructor in Aeronautical
Engineering.

12:16

KNOLL, FRANK O

Derivation of our electrical units.

5:5:8-12

KNOWLES, EVERETT.

With the Chile Exploration Co. in South
America.

1:5:9-10

KNOX, GERALD M.

<u>Tale of a pointless life</u> ; fiction; illus.	39:6:17,38
Brief biog & photo.	39:6:38
<u>The University and the peaceful atom</u> .	40:1:11,28,38
<u>A dedication</u> (to Dean Johnson)	40:2:11
<u>Strontium 90 and you</u> ; illus.	40:5:12-13,42
<u>Detection or destruction</u> .	40:6:16-17

KNUDSON, ESTHER.

Pic. in article re co-ed engineers.

5:8:11

Appointed engineer on staff of the Wisc.
highway commission. pic.

6:9:292

KOBE, KENNETH A

Synthetic methanol. diagr.

9:116,132

Note re activities.

13:80

KOCH, PAM.

Ax-Man; illus.

57:1:13-15

KOCHLER, F

What shall I study? Math.

34:6:11,32

KOEGLER, HENRY.

By using ultrasonic waves...cancer echoes;
illus.

34:2:21,40

KOEPKE, CHARLES A	
Brief biog.	10:52
Shows films to ASME.	12:138
Engineering Professors give 1934	
Sigma Xi lectures; Koepke: Production.	14:109
On sabbatical leave.	18:165
Faculty sketch; photo.	19:18
Directs training program for defense	
industries.	21:63
Announces new defense course in radio	
theory.	22:128
Takes leave of absence to work on war	
production board in Washington, D.C.	23:22

KOHLSTEDT, SALLY GREGORY.

New I.T. associate dean, hopes to make I.T. environment
more hospitable for women; photo.

70:2:22

KOLANDER, DAVID J.

Centrifugals and centrifuges; illus.

45:4:8-10

KOLTHOFF, ISAAC M

Research in analytical chemistry. 9:147,160

Biog. 9:255

Article re his research in polarography. 19:59

To tour Europe. 19:204

Brief description of 1939 European
trip. 20:18

Elected to Royal Academy of Sciences,
Literature and Beaux Arts. 20:116

On lecture tour. 20:141

Article re his synthetic rubber research;
illus. 27:102-103

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KOLTHOFF, ISAAC M

To receive the Olin-Palladium Medal.

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62:1:26

KOOB, PAUL, C

Sanitary conditions of the Mississippi;
illus.

1:8:5-7

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processed sheet steel keeps pace with
technical advancement; illus.

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Article re; illus.

53:2:8-10

Lightning research, history of Institute described;
illus.

64:3:8-10

Article re; photo.

72:3:6-7

LIGNITE

SEE ALSO

COAL.

LIGNITE.

Lignite fields of North Dakota; illus.

8:143-145,152

The drying of lignite; illus.

10:77

LILYERD, RALPH

Heretics heraised; illus.

36:310-311

Campus cuties; photos.

36:408-409

574-575

577-578

E-Day 1956; photos.

36:546-551

LIND, DONALD B

Piggyback trucking; illus.

40:1:20-23

LIND, R

S

A quarter century of electricity; illus. 25:35,53

LIND, SAMUEL C

Biog. and photo.	7:49
Article re research on electrical discharges for petroleum production.	8:74,96
Directs study of commercial distilling columns.	8:248-249
Attends radium conference.	9:190
Sigma Xi sponsors lectures by Lind.	10:152
Addresses first University scientific convocation of the year.	10:186
<u>Recent thoughts on the nature of matter.</u>	10:217,232
Brief biog.	10:217
Writes monograph on ionization of gases.	12:96

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LIND, SAMUEL C.

(CARD 2)

"M.I.T" under new heads: Straub, Smith,
Comstock and Lund.

17:39

The engineer prepares for service.

17:194-195

Photo.

17:194

A greeting to the class of 1941.

18:14

Addresses Chicago alumni.

18:42

Biog. and photo.

18:112

To attend 10th International Congress of
Pure and Applied Chemistry and 13th Conf. of
International Union of Chemistry in Rome.

18:118

Backs research fund bill in Congress.

18:118

Addresses AIEE.

18:119

Talk on I.T. research at Master Plumbers'
Association.

18:202

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LIND, SAUMEL C

(CARD 3)

Welcome, freshmen; photo. of Lind.

19:15

Elected president of American Chemical
Society for 1940.

19:86

Completes A.C.S. lecture tour.

20:115

Photo.

20:205

Goes on lecture tour.

20:214

Makes lecture tour in the south.

21:43

Official delegate of the Land Grant Colleges
Association.

21:63

Brief biog. and photo.

22:2

The engineer serves his country in industry
not the army.

22:9

Your deferment; illus.

23:15

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LIND, SAMUEL C

(CARD 4)

The need for acceleration; illus.

23:50

Your future: 1-A or 2-A; photo. of Lind.

24:119

Brief biog. and photo.

24:144

A future consideration; your professional status.

24:147

Photo.

25:29

Twenty-five years of engineering at Minnesota.

25:29

Brief biog and photo.

25:166

The five-year plan and other proposed curriculum changes in I.T.; illus.

25:169,183

Letter to editor concerning metric system.

26:95

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LIND, SAMUEL C

(CARD 5)

Engineering education adopts a new trend
trend; photo. of Lind.

26:221,246

Photo.

26:348

Greetings; photo. of Lind.

27:10,32

From the Dean's angle: E Day.

27:250

Photo.

27:270

Resigns to conduct research on alpha
rays at DuPont Co.

28:24

LIND HALL.

Main Engineering renamed Lind Hall; ed.

56:1:5

Photos.

65:5:38

LINDBERG, PAUL A

Magnetic exploration; illus.

34:5:10-11,32

Brief note and photo.

34:5:32

Prospecting; illus.

36:10-13

Final survey; illus.

36:145-147

Skip it! (skip cars used in open pit
mines); illus.

36:451-452

LINDBERG, VERNON.

A midnight companion. (English theme)
illus.

11:72,88

LINDEMAN, JACK.

A study of Nicollet Island city planning;
illus.

35:5:30-31

LINDFORS, STEVE.

<u>What's new in engineering;</u> illus.	44:4:36-37
<u>Elementary particles;</u> illus.	44:5:14-17, 28
<u>Physics Building;</u> illus.	45:1:33-35
<u>What's new in engineering;</u> illus.	45:1:39
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" " " " "	45:5:16
" " " " "	45:6:18-19
" " " " "	45:7:10-11
<u>After Apollo, what?;</u> illus.	46:1:14-19
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" " " " "	46:3:20-21, 38

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(CARD 2)

What's new in engineering; illus. 46:1:52-53

What's old in engineering; illus. 47:1:12-14,54-55

LINDHOLM, RALPH.

Mechanical feature of 1937 automobiles;
illus.

17:27-28

LINDQUIST, BERTIL HERBERT THORSTEN.

<u>An engineer looks at life</u> (humor)	15:159,183
<u>A bath to the Finnish</u> ; photo.	16:9
<u>An engineer looks at life</u> ; illus.	16:85
<u>Pickle-odes.</u>	17:47
<u>Convention-alities and personalities.</u>	17:68-69
<u>First sounding now ascension</u> (balloons)	17:111
<u>The Taurus.</u>	17:118,172,204- 205
<u>The ides of March.</u>	17:139
<u>Lindquisition.</u>	18:19,47,96, 120,167,205
<u>You can do it with your camera</u> ; illus.	18:83-85
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LINDQUIST, BERTIL HERBERT THORSTEN.

(CARD 2)

Brief note re activities.

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Brief biog.

20:180

Aeronut in Sweden; illus.

20:184-185

Of brains and grindstones.

29:105-106, 114

Photo.

29:105

Brief biog.

29:106

LINDQUIST, ROBERT H

Kilowits and More kilowits (humor)

28:78, 80, 116,
118, 120, 126,
156, 160, 161,
232, 240, 242,
292, 294, 338

Cartoons of campus types.

29:152-153, 194-
195, 238-239,
282-283, 328-
329

Five years and engineers.

30:2:5

Cartoons of campus types.

30:2:16-17

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LINDQUIST, ROBERT H

Cartoons of campus types.

(CARD 2)

30:4:18-19

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LINDSAY, FRANK B

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LINDSEY, MARY JEAN.

1939 Engineers' Day Queen; photo.

19:189

LINDSLEY, JOHN.

Brief biog. and photo.

Esperanto; illus.

23:220

23:224, 228

LINDSTROM, DONALD C
Obituary.

22:155

LINE, CAROL.

E Day queen; photo.

Photo.

28:331

29:185

LINEAR ACCELERATOR.

Linear accelerator; illus.

Linac; illus.

It all started with a chain reaction;
illus.

31:7:14

36:266-275

38:5:12-15,44

LINGANE, JAMES J

Research in the Institute: polarography. 19:59

Resigns for post at U. of Calif.,

Berkeley.

19:204

Brief note re activities.

20:42

LINNÉ, EARL.

What is right? (Tau Beta Pi essay)

24:68

Lab techniques; illus.

27:14-15,36

LINNEROTH, PAUL A

The modern pegasus; illus.

30:3:10-11,28

LIPSCHULTZ, WILLIAM.

Photos for article; illus.

28:64

Brief biog. and photo.

28:172

Photos. for article.

28:234

LIPSCOM, WILLIAM N
Biog. and photo.

31:5:18

LIPSEY, GORDY.

1969 St. Pat; photos.

49:8:8-9

LIQUOR.

Brief note re University policy.

55:1:29

LITHOGRAPHY.

Lithography, chemistry's art; illus.

24:34,40

LITTLE GALLERY.

Program for spring, 1935 announced.

15:126

Exhibit shows new methods in building;
illus.

17:160-162

LITTLE FALLS (MINNEAPOLIS)

SEE

MINNEHAHA FALLS.

LITTLEHILL, A

The boy mechanic, or break it or leave
it (humor); illus.

23:27

LITTON INDUSTRIES. APPLIED SCIENCE DIVISION.

Spotlight on local industries; illus. 45:4:32,47

LIU, BENJAMIN.

Biog. and photo.

47:1:16

LIVINGSTON, FLOYD.

1953 St. Pat candidate; note and photo. 33:7:28

Institute of Aero Science; photo. 33:7:42

LIVINGSTON, ROBERT S

Given leave of absence to work at Johns Hopkins.	18:143
Receives grant for research at Johns Hopkins.	18:202
<u>Famous scientists are harnessing the sun;</u> illus.	24:127,132
Returns from leave of absence.	26:158
<u>Fast reactions.</u>	38:5:58
Photo.	38:5:58

LOBASH, DANIEL C.

1963 E. Day business manager.

43:8:21

LOBB, CHARLES.

At last...color television; illus.

34:4:12-13,32

LOCKS

SEE

DAMS.

LOCKSLEY, ROBERT.

Engineers' unions-pro.

32:8:16,50

LOCKWAY, BRUCE

"Skin" temperature differentials; illus.33:8:15

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SEE

RAILROADS.

LOEFFLER, R DONALD.

Them thar hills; illus.

Brief biog. and photo.

29:272-274,294

29:273

LOFGREN, HAROLD.

Wins Pepsi Cola scholarship.

28:278

LOFSTROM, EDWARD.

Illustrations for article.

15:28-29,
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LOFSTROM, JOHN.

E Day Committee chairman; photo.

27:263

1948 E Day queen chairman; note and
photo.

28:327

"LOG" BOARD

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TECHNOLOG BOARD.

LOHFF, WILLIAM.

1952 E-Day Queens chairman; photo.

32:8:38

Coal by pipeline; illus.

33:2:14-15

LOHMANN, MELVIN.

Hear ye! hear ye! St. Pat speaks; photo. 16:113

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It seems that (humor) 17:22,46,68,
116,142,
169,206

Brief note re activities. 18:45

LOKEN, MERLE K

Brief note & photo.

39:3:11

LONG, CHARLES E

Another worthless study article.

47:2:16-17

LOOMIS, HOWARD B

Locks [and] dams; illus.

31:5:8,9,30

Brief biog & photo.

31:5:9

Professional engineering.

37:445

Brief biog & photo.

37:445

Salary Survey; illus.

40:5:14-15,40

Brief biog. & photo

40:5:14

LOOMIS, LAWRENCE.

Pennsylvania Turnpike; illus.

Brief biog. and photo.

31:7:10-11, 30

31:7:11

LORGE, RICHARD J

Six boxcars at 40,000 feet; illus.

32:1:12-13,32

LOUDSPEAKERS.

Prof. Springer improves on loudspeaker;
illus.

8:177,184

Loud speakers; illus.

10:9

LOW TEMPERATURE LABORATORY.

Mech. Eng. research on permafrost, ice
and snow described.

Demon Frost.

33:4:17,42

36:20-21

LOWE, WILLIAM.

Photo.

17:127

Photo.

17:153

Low-life (humor)

18:23

LOWELL, PARKER.

Manager of 10th biennial Electrical Show;
photo. 13:199

Engineering grads organize Delta
Radio Manufacturing Co. 14:164

LOWER DIVISION PROGRAMS OFFICE.

Established in 1968, offers students opportunities to help their education in IT, illus; photo.

69:4:8-9, 15

LOWER DIVISION SEMINAR PROGRAM.

Brief note re purpose; fall quarter
schedule.

49:1:12-13

LOYE, EDMUND S

Takes over administrative assistant duties
while Koepke is on leave of absence. 23:22

Photo. 28:59

LOYE, WILLIAM.

- | | |
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| <u>Introducing biosynthesis at Minnesota;</u>
illus. | 51:6:18-19 |
| <u>Introducing the Aqua-fin-atics;</u> illus. | 51:7:8-9 |
| <u>Synthesized music;</u> illus. | 52:2:12-13 |
| <u>Ski touring.</u> | 52:3:24-25 |
| <u>Ocean.</u> | 53:3:18-20 |
| <u>Beelzebub's trapezoid</u> (humor). | 55:6:12-13 |
| <u>You are here</u> (humor). | 56:1:12-13 |

LUDCKE, ANN.

Ain't it awful?

B.A. = GS - 5.

Gallery of travel; illus.

52:6:18-21

52:7:7

52:7:12-15,28-29

LUEHRING, FRED W

Engineering participation in U. of M.
athletics.

2:6:12

LUETHI, C F

" <u>Chain</u> " (Civil Summer Camp, 1926) illus.	7:40-42, 54
<u>Salvo!</u> (U.S. Navy) illus.	8:242-243, 254
<u>An Hawaiian luau.</u>	9:37
Brief note re activities.	12:191
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LUND, CLARENCE E

Research at Minnesota: maintaining home
humidity.

22:121

Biog. and photo.

22:157

LUND, E H

Civil engineering summer camp; illus.

2:1:5-9

LUND, GEORGE.

Is success necessary? illus.

Biog. and photo.

19:60-61

19:66

LUNDBERG, WALTER O

Awarded Johns Hopkins University scholarship for State of Minnesota.

10:222

LUNDQUIST, R
Brief biog.

A

1:8:24

LUPLOW, WALTER D

With an engineer in the army. illus.

6:72,88,96

LUYTEN, WILLEM J
Biog. and photo.

25:44

LYBRAND, TERRY.

Using Cray-2 to do molecular simulations of drug
molecules binding to protein DNA molecules; photo.

68:3:4

LYNN, RICHARD

Little corporations; brief biog;
photo.

38:2:39,50

LYON, ALLAN

Pick and shovel days of iron mining;
illus.

Brief biog & photo.

37:524-526

37:526

LYON, JOHN

Mine management, a growing field for
engineers, illus.

38:7:52-53

Airfoil boundary layer control; illus

34:8:12,40,55

LYON, WALTER.

Article re; ports.

56:1:22-23

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MINNESOTA ASSOCIATION OF PROFESSIONAL
ENGINEERS.

MINT

see

Magnetics & Information
Technologies Center



MSAE

SEE

MINNESOTA SOCIETY OF AERONAUTICAL ENGINEERS.

MABERRY, W. A.

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38:8:36-37

MACALESTER COLLEGE.

Macalester Concert Hall; illus.

49:8:20-21

MACARIO, MARIE.

Introduction to an engineer (poem)

26:149

MCBRADY, J J

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This month's authors; photos.

19:6:cover

19:66,94,118,

122,146,170

McBROOM, HELEN.

1933 Engineering Day Queen; photo.

13:220

MCCARTHY, RICHARD.

Ye map showing ye location and ye activities
of the University of Minnesota...

12:136-137

MCCARVILLE, JAMES W.

1963 E. Day general chairman; photo.

43:8:21

Brain teasers.

44:1:48

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44:2:52

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MCCLINTOCK, WILLIAM H
Ill; recovering.

10:54

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154-155,
180-181
- Radio to revolutionized by frequency
modulation; illus. 20:8-10
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We present Dr. M.C. Sneed; photo.

21:16-17

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21:69

We present Prof. Lee I. Smith; photo.

21:143

Education vs. specialization; an
editorial.

21:151

MCCLURE, HARLAN EWART.

Appointed to position left vacant by death
of Huchthausen.

26:158

Introducing Architecture.

29:221

What shall I study: Architecture; illus. 34:7:16-17,42

MCCLURE, RAYMOND D.

A Technolog interview with Raymond D.
McClure; photos.

48:2:29-31

MCCONVILLE, VINCENT O.

Then film memories.

Brief biog.

43:5:8-11

43:5:8

MCCOOL, JOHN.

Brief biog and photo.

21:98

A potential reserve of the future, test
tube rubber; illus.

21:102-104

MCCORMICK, R

H

American hoists are lifting victory closer;
illus.

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Research at Minnesota; photo.

Psychology and cybernetics.

28:112

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MCCOY, WILLIAM.

Writes winning article for James F. Lincoln
Welding Foundation scholarships.

29:66

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24:56

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24:59-61

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Hohum-that civil camp again. illus.

4:1:5-7,30

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4:5:22,30

What price, diplomas?

6:78,90

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Engineers as patent attorneys.

9:230,240

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McCULLOUGH, REV. B M
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6:105

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Brief biog.

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service in engineering fields; illus. 20:106-107

MACDONALD, GEORGE A

Instructor & chief pilot for Air Service,
Inc., Minneapolis.

8:248

MCDONALD, ROBERT E

Photo as 1938-39 business manager of the
Technolog. 18:195

Electric motor check: re vacation work at
Honeywell; photo. 20:15-16

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manager of the Technolog); photo. 20:117

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17:127

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37:617-620,664

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42:2:26

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20:88,90

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Hybrid Computer Center; illus.

51:3:14-15

Introducing U. of M. Department
of Radio and Television; illus.

51:4:14-15

Introducing the J.H. Williams Lab-
oratory of Nuclear Physics; illus.

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Brief biog. and photo.

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23:167,172

The future of the mighty Mesabi.

23:194,213

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Explosion-proof electrical power; illus. 39:4:16-17,46

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The first word; editorial. 16:173

1936-37 Business Manager of the Techno-
log; brief note and photo. 16:164

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From 14,000 feet (re aerial photography);
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MCGILL, DAN.

The University's Mass Spectrograph;
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Recent concrete experiments colorimetric
test, slump test, are outcome of work done
at Lewis Institute.

3:4:10-12

MAGRATH, C. PETER.

Speaks at Alumni Association's
Technology Day dinner.

57:2:7

MCHENRY, DOUGLAS.

Einstein theory of relativity.

2:4:8-9,22

MACHINE DESIGN.

Re-statement of fundamental mechanical
principals; illus.

10:41-43,66

Machine design as a career.

11:74

MACHMEIER, ROGER. E

1952 St. Pat candidate; note and photo. 32:7:20

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34:7:23,51

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The Navy offers you flight training. illus. 8:206,222

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That indispensable microscope; illus. 30:5:12-14

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1957 E-Day Black book dance chairman;
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MCKINNELL, ROBERT G.

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53:3:6-9,23

MCLAUGHLIN, G

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11:129

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The power and control men.

39:1:20-21, 56

McMAHON, WILLIAM A

You haven't lived; illus.

38:1:40-41,84

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MADDEN, ARTHUR J

Appointed instructor.

Biog. and photo.

26:158

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MADISON, TOM

St. Pat candidate, 1959; photo & note.

39:7:26

MADSEN, CARL J

Electronics; illus.

24:27-29

MAGELSSON, RALPH.

Biog. and photo.

28:244

MAGIM, WILLIAM.
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5:7:4

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26:190-191

MAGNETIC DRIVE.

Magnetic drive; illus.

22:10-11

MAGNETIC RESONANCE IMAGING

Use of MRI as diagnostic tool; illus; photo.

65:4:18-20

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MAGNETICS & INFORMATION TECHNOLOGIES CENTER.

Center, research described; illus. photos.

67:3:8-12

MAGNEY AND TUSLER PRIZES.

Awarded to Bernard Knobla and Bernard G.
Lampe.

12:210

MAGNUSSON, C EDWARD.

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on university research at meeting of special panel
of the National Academy of Sciences. 63:2:7

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12:191

Around the world in seven days with
a Minnesota engineering grad; brief biog;
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13:192-193

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The Architects' Jubilee.

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37:538-540

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Description of School of Mines Society;
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33:4:23

MALKERSON, LESTER A

Malkerson elected president of national
A.S.A.E.

15:20

Speaks at Chicago meeting of A.S.A.E.
December 4, 1934.

15:54

Brief note re activities.

19:203

MALL (UNIVERSITY OF MINNESOTA)

Along the Mall; photo.

26:6

MALME, CHARLES.

Photos for article.

32:4:14-15

1954 St. Pat candidate; photo.

34:7:38

The Divining rod...fact or fraud?; graph.

36:76-78

MALTBY, JAMES.

<u>Take a look at your governing boards.</u>	22:38
Brief biog. and photo.	22:196
<u>Mortimer mouse sez; illus.</u>	22:203
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MANAGEMENT.

Formulas in industrial management..

6:113,130

MANBECK, DEANE.

Helicopter crop spraying; illus.

35:6:46-48

MANDERFELD, E

C

As a westerner sees New York (City)

4:5:13,26-27

Research-the cornerstone of the telephone
industry. illus.

6:108,126

MANEY, ALFRED.

Coauthor of book, "Indeterminate Structures" with John Iran Parcel.	5:4:18,
Resigns to teach at Northwestern University; brief biog.	6:8:293 8:13

MANGANESE.

Bureau of Mines produces ferro-manganese
from Minnesota ore; illus.

12:53-55,72

Manganese production studied by Minnesota
professors.

21:92

MANN, CHARLES AUGUST.

Materials of construction for chemical industries.

Talks on possibility of Muscle Shoals nitrate plant.	1:4:6-8
Faculty sketch; photo.	2:7:12
Attends 1929 meeting of AIChE.	6:157
Biog. and photo.	10:94
Lectures before Sigma Xi.	12:119,124
Brief biog. and photo.	13:174,184
Biog. and photo.	14:32
<u>Chemical engineering</u> ; illus.	19:67
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MANN, CHARLES AUGUST.

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Carelessness causes mistakes in engineering:

illus.	25:140,154
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Biog. and photo.	28:335

MANN, FREDERICH MAYNARD.

Faculty sketch; photo.

7:85

The Northrup Memorial Auditorium.

illus.

9:142,156

Planning European tour to collect material on history of architecture.

photo.

10:194

Faculty sketch.

12:170,172

Alumni return to teach and study after graduation; photo.

14:86

MANSON, PHILIP W

Appointed to Agricultural Engineering
Dept.

20:18

MARCINEL, JOE

In Michigan, it's jasper; illus.

38:2:28-29,74,76

MARK, MELVIN.

The ? mark; slipstick philosophy (humor) 23:28,61,91,
116,158,
180,212,
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24:11,48,78,
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MARKS, EUGENE A

Soilless crops; illus.

Brief biog. and photo.

31:3:16,30

31:3:16

MARKS, LEE.

Video tape recording.

Brief biog.

42:5:12-13

42:6:12

MARKUS, LADDY.

The Arabs revue. illus.

11:216

Constructing a modern plant for Twin
City station (KSTP) illus.

12:32-33, 42

The modern neon sign, how it works.
illus.

12:108-109, 118

1932-33 editor of the Technolog;
brief note and photo.

13:254

Where do Minnesota graduates find
their jobs (includes brief note re
author)

14:12-13

Brief note re activities.

16:80

Brief note re activities.

18:22

Promoted to Assist. Ed. of Electronics
Magazine.

23:184

MARL.

Uses of marl for state roads; illus.

3:7:9-10

MARPE, DONALD

Business computers; illus.

37:276,305

MARQUIT, ERWIN.

Biography; photos.

55:1:11-12

MARSHAK, MARVIN.

Involved in proton decay research.

68:2:7

MARSHALL, ROBERT.

Mercury vapor turbines increase generating efficiency. illus. 13:134-135,156

The technical man sells his services
by Edward Hurst (a review) 13:246
Brief note re activities. 17:138

MARSHMAN, IRVING H

History of movement (St. Pat's Day);
illus.

2:5-6

MARSKE, JERRY.

Papa was an engineer; illus.

28:320-321

MARTENIS, JOHN V

- The religion of an electrical engineer by
George D. Shepardson (book review) 7:105,130
- Timely re-statement of fundamental
mechanical principles; illus. 10:41,42-43
- Presented with a bronze plaque in
recognition of his services as national
president of Pi Tau Sigma. 16:61
- Photo. 20:74
- You can't take it with you, or engineer-
ing ethics; illus. 20:84-85

MARTENSON, CARROLL.

Photo. 21:188

Our day; an editorial: re St. Patrick's
day. 22:143

Chosen 1942 E Day chairman. 22:150

Photo. 22:204

Article re work as E Day chairman;
photo. 22:209

1943 St. Pat.; photo. 23:133

MARTIN, DON.

Brief biog. and photo. 21:2

The grand forties: Civil Engineering
summer camp; illūs.

21:12

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Sky eye: re aerial photography; illus. 21:158-159

Brief note re activities. 22:131

Brief note re activities. 22:187

MARTIN, E R

Railroad electrification. illus.

Marries; brief biog.

1:1:12-13

8:12

MARTIN, ROGER. B

What is a landscape architect?; illus.

47:4:53-55

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50:7:20

MARTINO, ANTHONY

City snow removal; illus.

Brief note and photo.

36:446-448

36:448

MARTINSON, ALAN.

Brief biog. and photo.

31:3:48

MARTZ, BURKE.

Biog. and photo.

19:146

10,000 engineering jobs; illus.

19:149-150

MARVIN, JAMES F

Brief biog. and sketch.

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The electron microscope is an aid to
research; illus.

26:274-275,296

MARX, CHEFFE.

1932 Engineering Day Queen. Photo.

12:187

Note re activities.

13:50

Marries; photo.

13:222

MASOLOGITES, GEORGE.

1941 St. Pat; photo.

21:181

MASS SPECTROGRAPH.

A.O. Nier's research on ion isolation
described; illus.

21:60-62

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28:62

The University's Mass Spectrograph;
illus.

33:7:20-21,52

MASS TRANSIT.

The politics of mass transit; illus.

54:1:20-25

After Tin Lizzie.

54:1:25-26

MASTENBROOK, WILLIAM R

Biog. and photo.

24:24

Lithography, chemistry's art; illus.

24:34,40

MASTOR, CONNIE.

E-week '77.

57:5:12-13

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His Minnesota's Geology reviewed; illus. 63:3:20-21,28

MATHEMATICS.

Value of mathematics in engineering.	5:4:15-16
The concept of mathematics; diagr.	9:178-179,202
Mathematics for engineers.	10:120-121
Practical mathematics course available to engineers.	12:116
Nonograms; graphs.	15:127,132
Applied mathematics; a career; illus.	26:225

MATHEMATICS AND ITS APPLICATIONS, INSTITUTE FOR.

Opens doors. 62:1:25

General topic for 1982/83 to be Statistical
and Thermodynamic Approaches to Phase Transition.

62:3:20

Holds conference on computers. 62:6:14

Inaugural reception held Sept. 7, 1982
at Campus Club.

63:1:5

Institute described; photo of director Hans
Weinberger.

67:3:23-24

MATHEMATICS DEPT.

Additions to faculty.

26:158

Mathematics in the Institute of

Technology.

42:3:26

Incoming students show weakness in mathematics.

F2:1979:7

Funding received for Samuel G. Ordway Chair.

W2:1980:14

Seeking a \$65 million grant from the U.S. Army for a new computing research center, controversy over defense funded research; illus.

70:1:24-25, 27

MATHES, R E

Electrical alumni make good.

4:1:11-12,32

Ford gets busy at the high dam. illus.

4:2:10,31-32

Pictures by radio-another seventh
wonder. illus.

7:106-107,128

MATHEWSON, MARY.
In group photo.

21:188

MATSUMOTO, KEN.

Brief biog. and photo.

Science's progress parade; illus.

26:92

26:104-105,156-

157,194-195,

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MATTESON, TOM.

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21:74

Modern flight control by gyroscope;

illus.

21:86-87

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21:184

Brief note re activities.

23:24

MATTHEWS, GLENN E

The application of photography to industry.

1:2:10-12

1:8:16-20

American optical glass. illus.

Chemistry in the motion picture industry. illus.

6:250-251, 264

6:286-288, 302

Moving pictures in color for the amateur. illus.

10:118, 119,

132

MATTISON, G C

Charting the waters of the Philippine
Islands. illus.

11:154-155,170

MATTISON, VINCENT.

In 25 words or less; illus.

30:8:26

MATTSON, JAMES.

1949 E-Day exhibits chairman; photo.

29:326

MAUERSBERGER, KONRAD.

Article re ozone research, attitudes toward teaching;
photo.

67:3:14

Quoted re effects of chlorofluorocarbons on ozone
layer; illus; photo.

68:4:8-10

Quoted re deterioration of the ozone layer.

69:1:25

MAXWELL, JAMES CLARK.

The story of Clerk Maxwell (Tau Beta Pi
Prize winning essay)

17:191-192

MAYER, EMILY ANN.

E Day Queen, 1947.

Alumni; photos.

27:259

28:72,114,162,

202,244,274

MAYER, LEE.

Preserving foods by quick freezing;
illus.

28:98-99,110

McJILTON, CHARLES.

Conducting research on the effect of contaminants
in work environment on employee health, details.

67:3:14

ME AND ROLLO

SEE

DICKSON, GORDON R

MEAD, C

ALDEN.

Biog. and photo.

44:3:28

MEAGHER, JOSEPH E

Many awards await real scholars: article:
re extra curricular activities.

5:6:13

Elected St. Pat.

5:6:18

St. Patrick's soliloquy on his first
observation of the Blarney Stone after his
coronation.

5:7:15,24

Pic. as St. Patrick.

5:7:17

MEARS, LEON A

Article re Rooter Section organization.

illus.

8:10-11

Photo.

8:11

MEASUREMENT.

Now they can be measured in microns;
illus.

22:72

MECHANICAL-AERONAUTICAL ENGINEERING BUILDING

SEE ALSO

MECHANICAL ENGINEERING BUILDING.

MECHANICAL-AERONAUTICAL ENGINEERING BUILDING.

- We must not delay any longer: re proposed new building; illus. 23:128-129
- Plans near completion on our future laboratories. 24:181,196
- Plans under way for new Wing for Aeros; illus. 24:223,234
- After 28 years, a new engineering building; illus. 28:139,151
- New engineering building; illus. 28:176-179,198
- Under construction; photo. and architectural rendering. 29:183
- View of stairway; photo. 30:2:4

MECHANICAL ENGINEERING.

Mechanical engineer in inudstry.

6:285

Mechanical engineering; illus.

25:39,54

MECHANICAL ENGINEERING BUILDING

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BUILDING.

MECHANICAL ENGINEERING BUILDING.

Mechanical engineering shops; illus.	2:2:12-13
Plans are made for new foundry; illus.	4:7:10-12, 24-27
Mechanical Engineering Dept. takes over abandoned Electrical and Mechanical Bdgs.	5:3:19
Pattern work shop remodeled.	6:17
M.E. Dept. plans for new auditorium and quarters.	7:113
Mechanical Engineering building remodeled; illus.	8:12
New drafting space effected.	8:249
Undergoes improvements.	11:106
Interior photos.	14:160h

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MECHANICAL ENGINEERING BUILDING.

(CARD 2)

Editorial.

16:11

Cover photo.

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Pattern shop; photo.

17:155

A necessity: ed. re need for new building.

19:62

The Institute's crying need for a new mechanical engineering building to replace a makeshift shed; ed.

20:101

Please, Mr. Legislator; ed.

21:101

Preliminary plans re new building described by Rowley at ASME meeting.

21:115

Final M.E. building rally held.

21:140

Photo.

21:185

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MECHANICAL ENGINEERING BUILDING.

(CARD 3)

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21:185

Students and faculty ask action now;
illus.

23:54

"We need more engineers"; plea for
new building supported by quotes from
Donald M. Nelson; photo.

23:71

Give us room! illus.

23:72-73

We must not delay any longer; photo.

23:126-129

Remodeling work being done.


23:206

After 28 years, ... a new engineering
building; illus.

28:139,151

Photo.

28:177

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MECHANICAL ENGINEERING BUILDING.

(Card 4)

Photo, ca. 1923.

47:7:8

Photos of woodworking and machine shops.

47:7:11

MECHANICAL ENGINEERING DEPT.

Mechanical research work.	2:4:16
Mechanicals organize; officers listed.	2:8:8
Mechanicals in graduate and research work.	3:1:27
Motor boat engines being built by Soph. M.E.s; illus.	3:5:20
Departmental activities.	3:6:20,22
Experimental work by the senior mechanicals.	3:7:20
Additions to shops.	3:8:13
Note re activities, faculty changes.	4:1:18-19
New faculty members listed; brief biogs.	4:2:21-22

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MECHANICAL ENGINEERING DEPT.

(CARD 2)

Worthington solid enjection diesel described. 4:3:19-20

Seminar course revised; employment bureau reorganized. 4:4:18

Activities, New course on technical metallography being offered. 4:5:22-23

Seniors look for jobs; to be aided by Senior Mechanical Employment Bureau. 5:4:18-19

Mechanicals make rowboat motors; illus. 5:8:5

The determination of Poisson's ratio; illus. 5:8:10

Research projects described. 6:20,22

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MECHANICAL ENGINEERING DEPT.

(CARD 3)

New equipment added to shops.	6:81
Seniors assist freshmen in various shops.	6:223
1924 grads show work preferences in questionnaire.	6:293
Prof. J.J. Flather dies.	6:256
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S.C. Shipley new dept. head.	7:13
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New shop equipment obtained.	7:210
Summer activities of faculty.	8:60
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MECHANICAL ENGINEERING DEPT.

(CARD 4)

K.J. de Juhasz, inventor, new instructor in M.E. this fall; photo.	8:139,156
Installs new equipment.	9:86
The Gopher rowboat motor; illus.	9:184
The new wood working lathe; illus.	11:9,20
New courses required of M.E.s	11:16
New machines installed in engineering shops.	12:14
Technology lectures begin.	13:22
Offers outstanding course in mechanical technology.	13:120
How an oscillo-vibrograph records minute vibrations; illus.	13:230

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MECHANICAL ENGINEERING DEPT.

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Steam turbine: photo and note.	17:155
Research: timber testing; stress analysis; illus.	19:35
Research: strength of welded joints.	19:135
1939 senior spring trip.	19:176
Spring trip, 1940.	20:140
Brief note re student activities.	20:171


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Senior spring trip; illus.	20:208
Research: high speed pyrometry; illus.	21:81
1941 senior spring trip.	21:204-205
Purchases drawing furnace, super-micrometer; illus.	23:22
Plastic press being built under F. Holtby.	23:86
Resumes war courses.	23:86
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Annual picnic held.	24:14
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MECHANICAL ENGINEERING DEPT.

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Reconnaissance in engineering: heat loss through walls; illus.	27:62
Mechanical engineering.	28:11,32
To offer course in milling engineering.	28:180-181
Introducing mechanical engineering.	29:179
Research in M.E.; illus.	29:208
Description of research in low temperature room.	30:4:17,42
What shall I study? Mechanical engineering; illus.	34:1:23
Research: Eckert's studies of air flow through triangular ducts; illus.	35:5:42-43



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MECHANICAL ENGINEERING DEPT.

(CARD 8)

Grinding the gears.

39:1:22

Co-op program.

48:3:9

Article re heart pump; illus.

50:5:34-35

What is mechanical engineering at
Minnesota?

51:1:31

Article re research under direction
of Whitby on catalytic converters.

56:4:8-11

Seminar schedule, Fall, 1978.

59:2:8

Seminar schedule, Winter, 1979.

59:4:8

Seminar schedule, Spring, 1979.

59:6:7

Student designed automobile wins top
honors at competition (SCORE).

F1:1979:14-17

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MECHANICAL ENGINEERING DEPT.

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Ranked fourth in survey of universities
offering doctorals conducted by Conference
Board of Associated Research Council.s

63:3:5

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66:5:6-7

MECHANICAL ENGINEERING SEMINARS.

Winter quarter schedule.

58:3:6

Spring quarter seminars speakers and
topics listed.

63:6:5

MEDICAL SCHOOL.

Campus types: medical students; cartoons
and humor.

26:142-143

Brief note re Dr. W. Stricks' cancer
research; photo.

28:192

MEDICINE.

Electric diathermy performs wonders in
medicine; illus.

14:34-35

MEDICINE, DEPT. OF.

Nd-YAG laser system installed in Pulmonary Division;
photo.

65:2:12

MEDLIN, JOHN.

Appointed Assistant Professor.

26:158

MEEHAN, EDWARD J

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instructor.

20:18

Speaks on opportunities for analytical
chemistry in industry to ACS.

28:344

MEFFERT, GEORGE H

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Microelectronic and Information
Sciences Center



MEISCH, FRANCIS.

Place in the Society of Beaux Arts Architec-
ture Paris Prize competition.

18:118

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The Minnesota Campus-past-present-
future; illus.

19:104-107

Biog. and photo.

19:118

MELBY, E E

Directs pump characteristic studies on
low temperature research.

Photo.

33:4:17,42

33:4:17

MELDAL, TOVE.

Brief note and photos.

48:1:44-45

1967 E-Day Queen (replacing Karen
Hegener); photos.

48:2:10-11

1967 E-Day Queen; photos at 1968
E.Day.

48:8:12-21

MELLEN, ARTHUR F

The use of iodides in water supplies.

6:254,266

MELLOH, ARTHUR W

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MELZIAN, M W

An old gateway; sketch.

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MEMORIAL STADIUM.

Engineers back stadium drive; illus.	3:1:8-9, 21
Architectural Society contracts model; illus.	3:1:18
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Stadium goes up on schedule; illus.	4:7:5-6, 32
University stadium as seen from the air; illus.	5:1:8
How Minnesota's stadium was planned; illus.	5:2:12-14, 32
Stadium seats 50,800.	5:2:18
Amplifiers purchased.	5:8:18
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| <u>Reactor research in Chem. E.; illus.</u> | 33:6:26-27,60 |
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MERANDI, LOUIS P

Wins Chamberlain award for 1943.

24:236

MERCHANT MARINE.

Ahoy-the Pacific; illus.

17:29-31

The U.S. Merchant Marine; illus.

19:101-103

In war and peace; our Merchant Marine;
illus.

25:69-71

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TURBINES.

MERRILL, MICHAEL.

Quoted re his research using a flying
laboratory; port.

56:5:16-18

MERRY, FRED.

1966 St. Pat; photos.

46:8:23-27

METALLIC HYDRIDES.

Research in the Institute: complex metallic
hydrides.

19:135

METALLOGRAPHY DEPARTMENT.

Mining students get demonstration of metallurgical process.

5:19

Research in the Institute: better galvanizing; illus.

21:136

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| Powder metallurgy; illus. | 20:188-190 |
| Diamond turning and superfinishing;
illus. | 21:32-33 |
| Sand and national defense; illus. | 21:134-135 |
| Better galvanizing; illus. | 21:136 |
| High speed casting with spinning molds;
illus. | 23:12-13 |
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illus. | 23:46-47 |

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Research in the Institute: carbon control
in steel.

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METALS.

- Heat treating grey cast iron and semi-steel; illus. 6:74-75,94
- Tantalum alloy. 9:146,154
- Metallizing-spraying metals to prevent corrosion; repair worn parts. 20:134
- The U.S. needs metals for defense; illus. 22:116-117,126
- Accurate control with induction hardening; illus. 23:46-47
- Flame-hardening; illus. 27:214-215

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WEATHER FORECASTING.

METHANOL.

Synthetic methanol. diagr.

9:116,132

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Article re.

57:3:17-19

METRIC SYSTEM.

The metric system for america; editorial. 26:64,80

Letter to the editor concerning metric
system. 26:95

METROPOLITAN DRAINAGE COMMISSION.

Report of the Commission.

9:215,226

MEYER, ADOLPH F

The story of newsprint paper. illus.

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1956 E-Day poster chairman; photo.

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Will your first job be professional?

Brief biog & photo.

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Institute of Technology: re renaming and
reorganization of the College of Engineering;
illus. 16:30

Uses of the soybean in modern
industry; illus. 16:50-51.

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MICHAELSON, GEORGE.

Brief note re activities.

16:176

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22:164

The engineer's part in industrial
disease control; illus.

22:178-179

MICHELL, T H

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MICROELECTRONIC AND INFORMATION SCIENCES CENTER

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Involved in microelectronic research; illus.	68:1:15-16
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58:3:23

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MICROSCOPE.

Science approaches new worlds with the electron microscope; illus.

21:108-109

The electron microscope is an aid to research; illus.

26:274-275,296

MIDWEST TECHNICAL DEVELOPMENT CORP.

Article re company.

39:2:57,59

MILITARY ENGINEERING.

Doing a great job—military engineering;
illus.

25:106,119

MILLER, DAVID E

Concrete shell construction...it used to
be for sidewalks; illus.

35:7:16-17

MILLER, EVERETT.

Brief biog. and photo.

21:66

MILLER, FORREST E

Brief biog. and photo.

21:98

For precision products testing machines
will provide proved materials; illus.

21:110-111

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MILLER, LARRY.

May the best men win! illus.

19:186

MILLER, ROBERT A

Structural laminates; illus.

Brief biog. and photo.

30:7:8-9, 20

30:7:9

MILLER, TED

1953 E-Day Black Book Chairman; photo. 33:8:7

MILLER, WILLIAM D

Engineers of science.

1959 E-Day General Chmn.; photo.

39:2:16, 51, 53

39:8:19

MILLES, CARL.

Description and photo of his statue,
God of peace, in the St. Paul City Hall. 13:45

MILLING ENGINEERS' CLUB.

Description of club; photo.

30:7:17

MILLIS, JOHN.

Water borne transportation.

3:14,20

MILLUNCHICK, J M

Four graduates complete Westinghouse
course. Photo and note.

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