

CCC

SEE

CIVILIAN CONSERVATION CORPS.

C. RALPH BENNETT PRIZE

Awarded to Carter S. Johnson.

7:269

Prize offered.

8:180

Awarded to Robert A. McCullough.

8:279

CADILLAC CHASSIS.

Presented to the University. 7:177

Faculty pictured with chassis. 8:48

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Iron ore reserves on the Mesabi Range;
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27:96-99,109

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Power for the smaller fishing vessel.
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CALOF, ROBERT.

Wreck to racer.

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CALROW, ROBERT.

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Professional engineering.

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Chain; article re Civil Summer Camp; illus. 7:40-42,

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20:112

CAMPBELL, DONALD C

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30:4:12-13, 32

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30:4:13

CAMPBELL, JESSE M

Appointed instructor in Mechanical Engineering.
Brief biog.

12:16

CAMPBELL, JOSEPH M.

Wrap it up; illus.

52:6:25-26

So you want to go camping.

52:7:20-21

What can we do for the pane?;illus.

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CAMPBELL, WILLIAM N

Laugh damn you, laugh.

20:96,120,174-
175,219

21:20-21

Brief biog. and photo.

20:148

Modern miracles; proof ancient engineers
hand plenty on the ball; illus.

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20:193-194

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26:186-187,206

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New ed. of the Technolog; photo.

From our angle (editorial)

The calling of the clans.

As we see student attitude and its effect on registration.

Brief biog. and photo.

CQ ham radio; illus.

(CARD 2)

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27:44,80,124,
160,200,240,
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28:226-227,246

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Kichimookoman; surveying in the wilds of
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50:3:15-18

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2:2:6

Cappelen Memorial Bridge

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Carboloy.

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To be held, Feb. 23, 1979; brief description. 59:4:7
25 companies participate. 59:6:6

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SEE ALSO

JOB ORIENTATION AND TRAINING.
PLACEMENT.

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(CARD 2)

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illus.

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(CARD 3)

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19:149-150

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Engineers in Hollywood; illus.

20:88,90

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21:34-35

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Mines; illus.

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38:2:39,50

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38:3:26-27,60

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47:4:24-25

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SEE

CAREER OPPORTUNITIES.

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CARGILL INCORPORATED.

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15:37

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With the Chile Exploration Co. in South
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To retire in 1979; biog. & photos.

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4:2:5-6, 30-31

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CIVIL ENGINEERING SUMMER CAMP.

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illus.

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12:3:52

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26:150

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Biog. and photo.

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Brief biog and photo.

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17:138

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WORLD FAIR, CHICAGO.

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6:73

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Brief note re activities.

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Brief note re activities.

14:180

Brief note re activities.

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Brief note re activities.

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13:205

Electric diathermy performs wonders in medicine. illus.


14:34-35

CHALEY, ISADORE.

Electric diathermy performs wonders in
medicine; illus.

14:34-35

CHAMPINE, GEORGE

- Fill'Er up with water: steam-run automobiles; illus. 35:8:14-15
- Helium II; illus. 36:4:243-244
- Linac (Linear Accelerator); illus. 36:5:266-275
- RCA Tube Handbook; illus. 36:5:286-287
- Helium liquefier; illus. 36:6:354-359
- Solar battery; illus. 36:8:570-572
- UNIVAC: A look inside a local computer; illus. 38:2:18-19,46
- Balloons for the I.G.Y.; illus. 38:3:20-22
- Nicola Tesla: Without doubt the greatest E.E.; illus. 38:5:20-21,58
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59:7:15

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23:100

Early automatic arms were great
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23:106-107

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31:3:9

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52:2:23

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52:6:23-24, 35

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53:7:29

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6:110-112,124

CHEMICAL ENGINEERING.

A new field in chemistry.

3:2:11,26

Fulfills a gnawing need in modern industry; illus.

14:32

The Chemical Engineer-what is his work; illus.

18:77-79

Chemical engineering; illus.

25:38

Chemical engineering.

28:13

CHEMICAL ENGINEERING BUILDING.

The new Chem. E. Building; illus.
Photo.

30:8:12-13,30
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CHEMICAL ENGINEERING DEPT.


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Annual trip held.	2:7:16
Chemists inspect industrial plants.	2:8:5-6,19
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CHEMICAL ENGINEERING DEPT.

(CARD 2)

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CHEMICAL ENGINEERING DEPT.

(CARD 3)

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We saw plants, too; spring trip; illus.	18:178-179
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Inspect Twin Cities sewage plant.	19:68
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CHEMICAL ENGINEERING DEPT.

(CARD 4)

C.E. alumni featured: Badger and Frary;
photos.

21:137

1941 senior spring trip; illus.

21:180,204

Research: waste flax straw processing;
illus.

22:121

Research programs described.

27:16-17,38

Armstrong's salt leeching research
described.

27:103

Ballard's crude oil research described;
photo.

27:156

First postwar inspection trip held.

28:278

Photo of fractional distillation column.

29:54

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CHEMICAL ENGINEERING DEPT.

(CARD 5)

Among the Chem. E. faculty; photos.

31:4:12-13

Description of double-effect evaporation,
fractioning column.

32:5:17

Note re graduation requirements.

33:5:36

Reactor research; illus.

33:6:26-27,60

What shall I study? Chemical engineering;
illus.

34:3:12

Unit operators.

39:1:19,52

Ranked first in survey of universities
offering doctorals carried out by Conference
Board of Associated Research Councils.

63:3:5

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CHEMICAL ENGINEERING DEPT.

(CARD 6)

Received \$375,000 donation to expand existing
biotechnology program.

63:4:5

CHEMICAL PROCESSING ENGINEERING.

UMD's Chemical Processing Engineering Program
explained by department head Dianne Dorland; photo. 71:2:20

CHEMICAL WARFARE.

Chemical warfare and its problems;illus. 5:13,28

To be or not to be--chemical warfare;
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Chemical warfare; illus.

20:130-131

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Development of processes for the manufacture of organic chemicals.	1:2:9-10
Materials of construction for chemical industries.	1:4:6-8
Chemistry, the heart of industry.	1:8:13
How many colloids did you use today?	5:8:15
Chemistry in the motion picture industry; illus.	6:250-251, 264 286-288, 302
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(CARD 2)

Chemical studies in electrical discharge
tubes; illus.

10:148,168

A new victory for chemical research.

18:157

Chemistry in war; illus.

23:74-75

CHEMISTRY BUILDING.

Completed. 2:1:20

New chemistry unit finished—additional laboratory and library facilities; illus. 2:5:8,16

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Storeroom added. 8:78


Photo. 14:55

Photo. 14:108

Room 343 converted into lab for organic micro-analysis. 18:118

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New lights installed in  Chemistry library. 36:428

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Wins \$75,000 cancer grant.	55:1:29
Description of Lando Research Fellowship.	55:3:27
Article re changes in course offerings.	56:1:30-31
Chemistry research fellowships available.	57:3:4

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Activities.	2:8:14
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Possibilities of chemical manufacture outlined.	3:2:11, 26
Class officers listed.	3:2:18
Inspect Minneapolis Gas Co.	3:3:18
Freshman chemists meet.	3:4:18
Student activities noted.	3:5:17
Spring inspection trip to Chicago.	3:6:16-17
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Sophomores elected Ruth Stier class pres.	3:7:17
Student activities noted.	3:8:12

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CHEMISTRY, SCHOOL OF.

(CARD 2)

Student activities noted.

4:1:20

Lecture course on the place of chemistry being arranged; Little Brother Movement a success.

4:2:20-21

Inspect Minn. Sugar Co.; lecture series begins.

4:3:20-21

Student activities.

4:4:20

Lecture series success.

4:5:20-21

Chemical research at Minnesota.

5:5:28

New courses described.

6:116

Sponsors lecture series.

6:118

Undergoes yearly renovation.

7:46

Chemical colloquium meetings.

7:239

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CHEMISTRY, SCHOOL OF.

(CARD 3)

Faculty to go to Am. Electrochemical
Society convention.

8:48

Studies efficiency of commercial distilling
column.

8:248-249

Prof. Glockler addresses chemical
colloquium.

9:190

Faculty prize awarded to Arvind E.
Lynden.

9:291

W. Cameron Kay wins School of Chemistry
prize.

10:297

Chemistry seniors get jobs in the East.

10:26

All Engineers' Day: re neglect of Chemis-
try in E. Day activities; ed.

11:14

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One word more; editorial.	11:76
Faculty prize awarded to O.J. Swenson.	11:242
Record no. of women enroll in chemistry.	12:66
Student exhibits shown in Chem.Museum.	12:67
Chem. students work for U.	12:114
To sponsor Chem Show as feature of E Day.	12:137
Tech. courses planned to be dropped from Chemistry curriculum.	12:137
Forge shop receives new arc spot welders.	12:142

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CHEMISTRY, SCHOOL OF.

(CARD 5)

Plan E Day show-exhibition.

12:164

Faculty members give papers at nat'l meeting of ACS.

12:166

Starting the 1st Chemistry Show, a novel project; illus.

12:184-185

Organic Chemistry Dept. reorganized.

12:194

Faculty prize awarded to Kenneth C. Johnson.

12:210

Summer activities of faculty noted.

13:19

Research: water gas from lignite, hydrogen-bromide reaction; illus.

13:202-203

Research: Polymerization of acetylene; analytical chemistry, chem

ical eng. 13:228-229

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CHEMISTRY, SCHOOL OF.

(CARD 6)

- Faculty prize awarded to Frederick T. Wall. 13:255
- Eliot L. McMillen speaks on thixotrophy at colloquium. 13:257
- Chemistry aids archeology. 13:257
- The School of Chemistry, 1868-1903-1934-??
A sketch of dynamic growth and development. 14:94
- Chemists carry on numerous research studies; illus. 14:108-109
- 1934 faculty prize awarded to William Lundquist. 14:177
- Where the graduating seniors get their say: re alumni. 14:181

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CHEMISTRY, SCHOOL OF.

(CARD 7)

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15:54

Gets pulp beater.

15:105

Chemistry Show, 1935; photo.

15:176

Article re analysis requests received by
School; illus.

17:104-105

1937 Chem Show.

17:166

Ball comm. appointed; to be held Jan. 28,
1938.

18:93

Room converted for lab. for organic
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18:118

Colloquium hears M. de Hemptinne of
Belgium speak.

18:200

Research: rapid analysis: re polaro-
graphy.

19:59

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CHEMISTRY, SCHOOL OF.

(CARD 8)

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3rd all-chem dance described.	20:170
Brief note re bowling team.	21:42
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CHEMISTRY, SCHOOL OF.

(CARD 9)

- Synthetic rubber research done by Miles
Kolthoff; illus. 27:102-103
- Banquet a success. 27:122
- Research: drying material; distillation;
illus. 28:112
- Research: gas absorption. 28:282
- All Chem Banquet being planned; photo. 30:5:17
- Among the Chemistry faculty; photos. 31:5:18-19
- What shall I study: chemical engineering
or chemistry? 34:3:13, 38
- Helium liquefier; illus. 36:345-359

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CHEMISTRY, SCHOOL OF.

(Card 10)

U of M research: Fast reactions; illus.

38:5:58

Unit operators.

39:1:19,52

CHEMISTS' CLUB.

Plans for organization made.	2:7:16
Formation of Chemists' Club.	3:1:20
Chemists' Club visits gas plant.	3:3:18
Activities.	3:4:18
Hold mixer, elect officers for 1923/24.	3:7:17
Ask for club room.	3:17:26
Sponsor chemistry smoker.	6:3:80

CHENETTE, EUGENE R.

Biog. and photo.

44:6:22

CHENEY, MARJORIE.

1925 E-Day queen. photo.

5:7:17

CHENG, DAHYU.

Participant in discussion on environment;
photo.

54:4:10-11

CHENOWETH, DEAN.

We present... Harlow C. Richardson, Head
of Engineering English Department; photo. 20:142

CHEONG-SIAT-MOY, FRANCOIS.

Shares Lincoln Foundation's student Engineering Design competition with Gregory Clifford.

59:4:7

CHERNE, REALTO.

Coast Artillery Corps in Kentucky. illus.

9:41,62

Temperature control in Field House.

diagr.

9:216,240

Weather--its production. illus.

12:47-48

Brief note re activities.

16:58

Cheston, Warren B.

Introducing Warren B. Cheston,
Dean of I.T.; photos.

48:5:24-26

Speaking with the Dean.

49:1:11

" " " "

49:2:12

" " " "

49:3:12

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

49:3:14-15:26

Speaking with the Dean.

49:4:10

" " " "

49:5:12

" " " "

49:6:12

" " " "

49:7:6

" " " "

50:1:6

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CHESTON, WARREN B.

(CARD 2)

Speaking with the Dean.

50:2:6

Thanks, Dean (a student appreciation).

50:2:12

Speaking with the Dean.

50:3:6

" " " "

50:4:6

" " " "

50:5:6

" " " "

50:6:6

Thanks Dean (re his efforts to reduce I.T. dropouts).

50:6:12

The changing of the guard:
Cheston resigns.

52:1:19,31

CHI EPSILON.

Iniates listed.	5:4:22
New members listed.	6:80
Inter-Honorary banquet held; iniates listed.	6:257
Iniates listed.	7:82
New members listed.	7:269
Iniates listed.	8:76
Iniates listed.	8:248
Iniates listed.	8:279
New iniates listed.	9:148
Announces initiation of seven.	10:152
New members initiated.	10:297

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CHI EPSILON.	(CARD 2)
New members initiated.	11:242
Tri-Honorary banquet held.	12:192
New initiates listed; prize awarded to Miles S. Kersten.	12:210
1932 fall initiation held.	13:86
Quad-honorary banquet held; initiates listed.	13:244
Initiates listed; prize awarded to Edward Silberman.	13:255
Initiates listed; brief note re activities.	14:66
Brief note re activities.	14:116
New members listed.	14:174
1934 prize awarded to Springer.	14:177
● Richard	
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CHI EPSILON.

(CARD 3)

Fall iniates listed.	15:53
Officers listed.	16:65
Group photo.	16:141
Iniates announced.	17:67
Group photo.	17:174
Iniates listed.	18:108
Group photo.	18:188
Initiation held.	19:92
Group photo.	19:193
Initiates listed.	19:210
Will hold initiation for new members.	20:67
Group photo.	20:198

● (Continued on next card)

CHI EPSILON.

(CARD 4)

Tri-Honorary banquet held, new initiates listed.

20:214

Group picture.

21:190

Donates bookcases with Tau Beta Pi to Engineering Library.

22:46

History, description of activities.

23:171

Tri-Honorary banquet held; initiation held.

23:174

Reactivated; new officers elected; initiates listed.

27:138

Note re activities.

30:6:22

Note re activities.

31:4:15

5:16

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CHI EPSILON.

(CARD 5)

Note re activities	35:2:41
Initiation held; photos.	35:3:37
Initiation held: note re activities.	41:6:29
Brief note re organization.	42:1:24
Note re activities; initiates listed.	42:6:30
Note re organization; officers listed.	43:1:37
Brief description; 1963 officers listed.	44:1:33

CHI SIGMA TAU

SEE

TRIANGLE.

CHICAGO. WORLD'S FAIR

SEE

WORLD'S FAIR, CHICAGO.

CHILDS, JAMES.
Obituary.

15:169

CHINA.

- | | |
|---|--------------------|
| Currency of China. | 1:3:6-8 |
| Flood problems in the province of
Chih Li in North China; illus. | 1:6:5-7 |
| Flood problems...(Continued) | 1:7:9-12 |
| Flood problems...(Continued) | 1:8:9-13 |
| Chinese create city of ancient beauty
in greater Shanghai plan. illus. | 15:28-29,38-
39 |
| Old and new rub elbows in China and
Japan; illus. | 15:72-73,82 |

CHORSKE, BILL

Taping video; illus.

40:1:16-17,
37-38

CHRISTENSEN, A F
American Foundrymen's Society.

30:1:24

CHRISTENSEN, DALE.

Brief biog.

St. Lawrence waterway; illus.

28:256

28:266-267

CHRISTENSEN, DIANNE.

Up front; illus.

" " "

" " "

" " "

" " "

" " "

Brain teasers.

Threshold to space; illus.

Five years become four...

Van de Graaf Generator; illus.

After Apollo, what?, illus.

" " " "

" " " "

44:1:40

44:2:37

44:3:28

44:4:43

44:5:42

44:6:22

45:1:44

45:2:32-34

45:4:30-31, 52

45:6:32-33

46:1:14-19

42:2:18-23

43:3:20-22, 38

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CHRISTENSEN, DIANNE

Control Data Corporation; illus.

General Mills; illus.

Einstein on Science, photo.

Card 2

46:1:26-28,54

46:2:40-41

46:5:34-37

CHRISTENSEN, LYLE.

With the miners at Crosby. illus.

9:78,96

CHRISTENSEN, R.F.

How about you?

39:7:14-15, 32,
35

Brief biog & photo.

39:7:14

CHRISTENSEN, RON

Smoother riding automobiles; illus.

36:138-139

CHRISTENSON, HARRIET.

Engineering Day Queen; photo.

14:160e

CHRISTENSON, RON

Catalytic cracking.

39:4:22,52

CHRISTIANSON, DAVE.

Engineering enigmas.

21:120

CHRISTOFER, FORTON A

Senior engineer heads Minnesota Cadet
Corps.

Brief note re activities.

Brief note re activities.

12:38

16:96

16:176

CHRISTOFERSON, F E

Awarded D.F.C. for heroism at Midway;
photo.

23:148

CHROMIUM PLATING.

Chromium plating; illus.

9:76,92

CHURCH, STANFORD.

- Europe-soon to be our next door neighbor:
re air travel. 19:50-55
Brief biog. and photo. 19:66
It's more fun to know: Tau Beta Pi
essay. 19:182-183
We present Prof. Howard W. Barlow;
photo. 20:20
Brief biog. 20:180
Those unforgettable senior spring
trips: Aeronautical. 20:211-212

CIGAN, JUDY.

East Bank backstone brings light underground;
illus.

56:6:26-27

CITY PLANNING.

Need for regional platting stressed;
illus.

5:6:11

CIVIL AND MINERAL ENGINEERING BUILDING.

Described; illus.

59:6:22-25

Phase 2 of construction described; illus.

61:5:14-15

Described, illus.

63:2:21

Dedication ceremony held October 12,
1983.

64:2:7

CIVIL AND MINERAL ENGINEERING DEPT.

SEE ALSO

CIVIL ENGINEERING DEPT.

CIVIL AND MINERAL ENGINEERING DEPARTMENT

Plans for underground building described. 59:6:22-25

CIVIL & MINERAL ENGINEERING, DEPT. OF

Places computers with faculty and students to
develop instructional software.

65:1:10, 32

CIVIL ENGINEERING DEPARTMENT

SEE ALSO

CIVIL AND MINERAL ENGINEERING DEPARTMENT



CIVIL ENGINEERING.

- | | |
|--|------------|
| The elimination of traffic hazards. | 3:3:23 |
| The contribution made to better health made by engineers; illus. | 20:164-165 |
| Mighty machines pave highways to victory; illus. | 24:219 |
| Doing a great job-military engineering; illus. | 25:106,119 |
| Wartime and present trends in civil engineering; illus. | 26:324,358 |
| Introducing civil engineering. | 29:309 |

CIVIL ENGINEERING BUILDING.

Photo of equipment.

17:154

CIVIL ENGINEERING DEPT.

Reunion of the class of '08.	2:6:16
Notes re activities of seniors.	3:1:23
Hold competitive display of hydrograph.	3:4:22
Minn. grads build our highways.	3:5:12
Student activities.	3:5:18
Civils graduate; placements listed.	3:6:17
Civils hold important positions. Includes history of Dept.	4:2:7, 32
Dept. activities.	4:2:22
Student activities.	4:4:19
Senior civil party.	4:5:20
March graduates.	4:6:18, 20
Student activities.	4:7:19

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CIVIL ENGINEERING DEPT.	(CARD 2)
Senior civil's banquet.	5:5:27
Senior civils to organize.	5:6:18
1925 civils organize.	5:8:18
Bass, Boon, Lang and Zelner on committee to rec. engineers for Hennepin road survey.	6:82
Class of 1911 holds monthly meetings.	6:4:118
Waterproofing of concrete tested by research fellows.	6:257
New concrete test machine is perfected by A.A. Jakkula.	6:292
Civil class of 1923 holds reunion.	7:115
Memories of camp revived at banquet of senior civils.	7:177

● (CONTINUED ON NEXT CARD)

CIVIL ENGINEERING DEPT.

(CARD 3)

- Concrete test slab finally broken. 8:214
- Reflection on student days in Civil
Engineering. 13:114
- Research in the Institute: stress dis-
tribution; illus. 19:155
- Research in the Institute: concrete
shrinkage; illus. 19:180-181
- Civil grads hold 12th annual meeting. 20:68
- Alumnotes: civil engineering grads;
photos. 21:160
- Sanitary engineering course now offered. 25:90
- Changes in faculty. 26:158
- Highway bridge wear research; illus. 27:63

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CIVIL ENGINEERING DEPT.

(CARD 4)

- Civil engineering: description of curriculum
at U. of M. 28:14
- What shall I study? Civil Engineering. 34:4:9,36
- Demon frost (re permafrost research) 36:20-21
- Group photo of class of 1901. 47:7:7
- List of departmental faculty and their research
interests. 67:6:22-23

CIVIL ENGINEERING SUMMER CAMP.

C.E. summer camp; illus.	1:2:4-9
Civil engineering summer camp; illus.	2:1:5-9
Those civils sure are rowdies; illus.	3:1:10-11
Ho-hum-that Civil camp again; illus.	4:1:5-7,30
Civil camp-a summer on Cass Lake; illus.	5:2:8-10
Reunion planned for 1924 campers.	5:4:19
Six weeks at Cass Lake; illus.	6:44-46,60
Senior civils make canes at summer camp.	6:81-83
Reunion held.	6:189
"Chain"; illus.	7:40-42,54
Once agin-the civil engineers have been at their summer camp; illus.	8:44-45,58

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CIVIL ENGINEERING SUMMER CAMP.

(CARD 2)

Northern light; a senior engineer reviews
the incidents of 1928 civil camp at Cass
Lake; group photo.

9:46,60

Surveying with the senior civils; map.

9:77,94

Embryo engineers at Cass Lake; photo.

11:75,82

How d'ya check?

12:9,18

Surveying the 1933 Civil engineering
camp at Cass Lake; illus.

14:3,22-23

Story of a barber pole.

15:21

We spend a summer day at Cass Lake Civil
camp; illus.

15:45,63-64

At civil camp with rod and---; illus.

17:8-10

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CIVIL ENGINEERING SUMMER CAMP.

(CARD 3)

O.S. Zelner completes study on summer camps
for civils. 17:20

Day by day with the camping civils;
illus. 18:15-16,18

On the shores of Cass Lake; illus. 19:11-13

They worked too, or the 1939 civil camp;
illus. 20:11

The grand forties; illus. 21:12

Civils take a vacation or nine credits
of rain; illus. 22:12

Civils survey life at summer camp; illus. 23:42-43

The uncivil civils; photo. 24:35,38

CIVIL ENGINEERS SOCIETY

SEE

AMERICAN SOCIETY OF CIVIL ENGINEERS.

CIVILIAN CONSERVATION CORPS.

Minnesota men are engineering with the
CCC.

15:80

C.C.C. rebuilds shattered forests.
illus.

15:144-146

CLARK, EARL F

Brief biog.

20:122

Graduates are headaches to industry
during those first vital years on the job. 20:132-133

CLARK, KENNETH E

Here's how to study for those Xmas
finals; illus.

22:58-59

Here's how to study for those finals;
illus.

25:201,212

CLARK, ROBERT.

Quality control; illus.

29:59-60,84

CLARK, STEVEN W.

Will we have enough?

Brief biog.

42:4:10-12

42:4:11

CLARK, THOMAS J

Infiltration and inflow in sanitary
sewers.

55:3:11-13

CLARK, TOM

Centravac; a completely modern heat exchanger; illus.

40:2:12-13,34

Plastic on parade.

40:3:18-19

The eternal struggle.

40:4:26-27,58

1961 St. Pat candidate; brief note & biog.

41:7:18

CLARKE, RICHARD.

Brief note.	31:2:12
<u>Slip stick side lights</u> (news column)	31:2:12
	3:20, 38
illus.	4:14-15
illus.	5:16-17
illus.	6:18-19
illus.	7:18-19, 34
<u>Slop slick slouch slights</u> ; illus.	8:12-13
E-Day (history)	32:5:22
<u>Safe cars for a safe future</u> ; illus.	33:7:12-13
Brief biog. and photo.	33:7:12
1953 E-Day Field Day chairman; photo.	33:8:10

CLARKSON, ROBERT

Precision measurement; illus.

37:89-92

Brief biog & photo.

37:89

CLASS OF 1926.

60 foot flagpole given by seniors as
memorial.

6:257

Flagpole dedicated.

6:293

CLASS SCRAP.

A Minnesota tradition; editorial.	3:1:16
Sophomores win 1923 scrap.	3:7:17
The Freshman-Sophomore scrap.	4:1:12, 32
The unorganized scrap; editorial.	4:1:17
Editorial.	6:50
Sophs and Frosh battle for supremacy.	
illus.	7:46
Sophomores best freshmen in annual class scrap.	8:49
Sophs vs. Frosh; editorial.	8:50
The battle of the engineers. illus.	9:45
Freshmen defeat Sophomores, 1929.	10:52

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CLASS SCRAP.

(CARD 2)

Frosh capture Gonfalon in annual
scrap; illus.

11:45

Frosh clean Sophs to win annual
battle; illus.

12:39

Zelner sets Oct. 22, 1932 for Frosh-
Soph scrap.

13:22

1932 Sophomore vs. Freshmen class
scrap; illus.

13:35

Class scrap is dead; editorial.

15:32

CLASS SIZE.

Optimum sized classes and laboratory sections
in electrical engineering. 7:118

CLAUSEN, JOHN

Tunnel vision: re opinion of
narrow viewpoint of some engineers. 52:6:16-17

Quoted re "Honor Point Deficiency;"
port. 56:3:7

Quoted re teaching assistants. 56:6:11-13

Head, Unclassified Student Advising;
description of service, port. 62:3:24-26

CLAUSON, BARBARA A.

A 1977 I.T. alumnus; she offers advice on staying current and getting ahead in engineering; photos.

68:1:8-9, 18

CLAYBAUGH, BOB.

1953 E-Day Revue co-chairman; photo.

33:8:6

CLEMENCE, ROGER D.

The Community involvement studio: a
new direction for architectural
education.

50:7:14-19

53:7:21

Architectural models; illus.

CLOSE, WINSTON.

Appointed Assoc. Prof.

26:158

CLOSED-CIRCUIT TELEVISION

I.T. tries TV; illus.

42:2:10-11,44

Introducing CCTV aero studios.

48:6:25-27

CLOUSING, LAWRENCE A

The Engineer's Bookstore.

6:13

Convention post-mortems: re E.C.M.A.
conference held at Minnesota.

7:43,62

All clear, contact! re flight training
with the U.S. Navy; illus.

7:78-80,92

Photo.

7:268

A light airplane: re Mohawk Aircraft
Corp. established by former Minnesota
students; illus.

8:8,22

Electric discharges for petroleum
production; illus.

8:74,96

Biog. sketch; photo.

10:92

Aircraft carriers; illus.

13:6-7,27-28

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CLOUSING, LAWRENCE A

(Card 2)

Brief note re activities.

13:18

Brief note re activities; photo.

15:15

Brief note re activities.

16:34

COAL

SEE ALSO

LIGNITE.

COAL.

Coal stripping in the United States.

11:71

COAST ARTILLERY CORPS.

- Train at Ft. Monroe, Virg.; illus. 5:3:13-14
- The caissons go rolling along:
- Minnesota's coast defense men undergo 6 weeks of intensive training at the Field Artillery School, Fort Sill, Okla.; illus. 7:8,24
- At the Kentucky "Knobs"; summer training. 8:47,56
- C.A.C. in Kentucky; illus. 9:41,62
- Coast artillery takes life easy at Illinois camp; illus. 14:16
- Know your Army Coast Artillery Corps; illus. 23:18-19

COBALT 60 IRRADIATION SOURCE

It all started with a chain reaction;
illus.

38:5:12-15,44-47

COBB, ARNOLD.

New instructor in steam engineering.

16:22

COEFFICIENT OF COMPLETION.

Article re I.T.'s method of predicting students; academic standing.

56:1:26-28

Editorial re proposal to change to system called "Honor Point Deficiency."

56:2:5

COFFEY, WALTER C

The ideal education; guest editorial;
photo.

22:87

Photo.

25:28

The University of Minnesota; yesterday
...today.

25:28,50

COFFMAN, LOTUS DELTA.

Editorial: re congratulations upon the
publication of the Technology.

Photo.

Brief biog.

1:1:13

1:8:cover

1:8:14

COFFMAN MEMORIAL UNION.

Editorial re the new union.	19:110
Car service convenient.	20:171
Cover photo: stairway.	21:1:cover
Our architects meet a problem; illus.	21:6-8
Entrance to Coffman.	26:266
A trip to the Union; illus.	26:280, 300
Behind the scenes; illus.	27:140
Photo.	27:246
Brief note and photo.	28:107
Photo.	29:309
Coffman characters (humor)	30:8:24-25
Diamond in the rough (activities)	31:5:15
Brief article re Union.	33:1:40

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COFFMAN MEMORIAL UNION.

(Card 2)

Introducing Coffman Memorial
Union; illus.

49:1:44-45

Introducing WMMR campus radio;
illus.

49:8:16-17

Editorial re glass front.

57:1:4

Improvements planned.

57:3:4

COHEN, ARNOLD.

Engineering Professors give 1934 Sigma
Xi lectures.

14:109

Traffic problems solved by trackless
trolley coaches. illus.

15:30-31,40

COHEN, MORRIS.

Poem.

Just reminiscing.

13:188

13:248-249

COHN, MARIUS.

Brief biog and photo.

19:122

Television--in 1939? illus.

19:128-129

We present...Dr. J.W. Buchta; photo.

20:46

Brief biog and photo.

20:50

Polarized light; illus.

20:54-56

Brief note re activities.

22:99

COKE

SEE ALSO

COAL.

COKE.

The By-Product coke industry; illus.

2:5:12,16-17

Minnesota By-Product Coke Co.; illus.

3:1:12,22

COLBURN, EDWARD N

1958 St.Pat candidate; portrait.

38:7:25

COLEMAN, JAMES R

From China to Cape Canaveral: The
Evolution of Chemical Rocket Engines.

39:1:28-29, 58

COLES, COURTNEY KENNETH.

Illus. for article.

20:158-159

Illus. for article..

23:10-11

Illus. for article.

23:106

COLES, DONALD E

Note re Coles as recipient of Tau Beta Pi
fellowship.

27:312-313

COLLEGE OF ENGINEERING

SEE ALSO

INSTITUTE OF TECHNOLOGY.



COLLEGE OF ENGINEERING.

Attendance rules.	1:3:15
What's doing and where at the engineers' open house.	3:6:30
Senior advisory system in operation.	4:4:18
Events of the year; editorial.	6:296
Research at Minnesota.	13:202
From long ago to now; a brief sketch of the development of the College; illus.	14:53-55,72
Institute of Technology (re reorganization and renaming of College of Engineering); illus.	16:30

COLLINS, EDWARD D

Why miners leave home, being a review of
the junior field trip to Arizona and
points southwest. illus.

9:44,58

9:73,98

CarboIoy.

COLLINS, ROBERT.

Brief article re investigation of the atomic
structure of drystals; illus. 28:152

COLLINS HELIUM LIQUEFIER

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HELIUM LIQUEFIER

COLUMBIA RIVER.

Regional planning on the Columbia; illus.17:3-5,80-82

COMB, GORDON M

Too many architects?

15:102

COMFORT, JAMES O

Wood; illus.

34:6:12-13

Brief biog. and photo.

34:6:13

1954 St. Pat candidate; photo.

34:7:39

COMMANCINI.

Robert H. Hose elected president.	17:114
Lists pledges.	17:202
Group photo.	19:194
Iniates listed.	19:210
Group photo.	20:203

COMMENCEMENT.

B.S. degrees granted to 169 technical students. 6:293

Eleven degrees awarded at graduation exercises. 11:106

20 civilians, 130 navy students to graduate. 25:290

1981 commencement address by J.J. Renier; port.
& text. 62:1:46-49

1990 commencement address by Loren Eyres; photo
and text. 71:1:7-8

COMMERCIAL AIRLINES

SFE

AIRLINES

COMMONS ROOMS.

Space vacated by Engineering &
Nicholson Hall Bookstores to be used
as commons rooms.

57:5:5

COMMUNITY DESIGN CENTER

CDC - it is a comfortable
environment; illus.

53:7:23

COMMUNITY INVOLVEMENT STUDIO
Article re.

50:7:14-19

COMMUTERS.

Log poll: too many cars?

31:4:19

COMPTON, JERRY.

Photo. 25:31

Illus. for articles 25

Brief biog. and photo. 25:66

Expose! What is it with the S.L.A. or
you too can be a character; illus. 25:78

COMPUTER CENTER

SEE ALSO

NUMERICAL ANALYSIS CENTER.

Computer Center.

Introducing the Computer Center;
illus.

48:4:22-24

6000: a computer odyssey.

52:8:21-25,29

Upgrading computer access.

58:5:23-25

Purchases Cray 1 computer; illus.

62:1:cover,19-22

Receives color graphic-image film recorder

donated by DICOMED Corp to be used in con-

junction with the Cray-1 to record graphic

or animated simulation images on film.

63:5:6

Changes in facilities available and location

of facilities, details.

66:2:6-7

COMPUTER ENGINEERING.

UMD now offering bachelors degree in computer engineering.

65:2:20-21

Program and profession explained by department head James Tseng; photo.

67:2:20-22

UMD's Computer Engineering Program explained by department head Nazmi Shehadeh; photo.

71:2:19

COMPUTER SCIENCE, DEPARTMENT OF

Spring colloquia schedule listed. 58:5:6

Colloquium schedule, Winter, 1979 59:2:8

Colloquium schedule, Spring, 1979. 59:4:9

Seminar schedule, Spring, 1979. 59:6:7

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11:202-203,222

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20:108-109

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20:111

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ELECTIONS (I.T. AND ALL-CAMPUS)

(CARD 2)

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26:267

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27:213,218

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36:336

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ELECTRICAL ENGINEERING/COMPUTER SCIENCE BUILDING

- New building to house Electrical Engineering
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3:6:20

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4:6:17

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4:6:21-22

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6:257

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6:292

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7:13

Instructors attend G.E. conference.

7:47,56

Research on high frequency transmission being done under Prof. Swenson.

7:82

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7:118

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7:146,156

Under the surface; illus

7:169,188

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7:177

A million volt party: photos of chairmen
and description of Electrical Party.

7:207,220

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7:210

Steam display at Electrical Show causes
false alarms.

7:239

Radio station staff and instructors are
appointed.

8:60

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8:248

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- Announcement of 5th biennial Party; plans described. 11:158
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- Install new generating equipment; illus. 12:127,144
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13:48

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13:118

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13:152

10th annual Electrical Show held; photo of chairman; committee chairmen listed.

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13:203, 229

All equipment put on standard trucks.

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ELECTRICAL ENGINEERING DEPT. (CARD 9)

- Museum to be transformed into club room. 15:54
Electrical Party committees appointed. 15:107
Bran Children to perform before Electrical
Show visitors. 15:131
Trucks simplify lab operations. 15:131
1935 Electrical Party described. 15:154
AIEE plans inspection trip. 15:156
Bob Auten's tin can motor; W9YC offer to
send free messages described. 15:181
Note re sphere gap in Dept.; photo. 17:132
1937 Electrical Show; illus. 17:136
Electrical Show plans; committee chairmen
listed; photo of Ottilio Morzenti. 17:168
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ELECTRICAL ENGINEERING DEPT.

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- New course in fundamental electronics added. 19:19
- Research: measuring ΔT ; illus. 19:34-35
- Henry R. Rebmann elected Electrical Show chairman. 19:68
- Research: hearing aids. 19:82
- Committeemen chosen for Electrical Show. 19:117
- To charge admission to Show. 19:140-141
- 1939 Electrical Show; illus. 19:161
- 1939 Electrical Show; advertisement. 19:169
- That radio controlled car (Electrical Show exhibit) 19:185
- Brief note re electric voltmeter. 20:68

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Fellowship set up by Westinghouse.	20:92
Spring trip, 1940.	20:140, 209-211
Tame lightning: research being done with a high power surge generator; illus.	21:38
Chairman of Electrical Show elected: John F. Storm.	21:63
The Electrical Show.	21:162
Electrical Show advertisement; illus.	21:169
1941 senior spring trip; illus.	21:179-180
Course in generation and detection of ultra high frequencies.	22:94
Aircraft gun studied by ASTP Advanced E.E.s.	24:204

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- Work on airplanes being done in E.E.;
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- Note re frequency measurement project under
Hartig; photo. 27:62
- Opportunities in Electrical Engineering. 28:10,30
- Research: radio frequency corona dis-
charges; illus. 28:26
- Research: wave guide studies being done
by Wittenberg. 28:192
- Inspection trip held. 28:278
- Introducing electrical engineering. 29:7
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Among the E.E. faculty; photos.

31:3:18-19,40

What shall I study? Electrical engineering.

34:7:11,58

Why not an E.E. work-study program?

36:264

Helium liquifier; illus.

36:354-359

A professor looks at work-study.

38:3:28-29,43

William G. Shepherd, Prof. and Head;
photo.

38:4:16-17

Navy sponsors research in the Physical
Electronics Laboratory.

38:5:56

Research on noise in electronic devices.

38:7:42

The power and control men.

39:1:20-21,56

Electronic research at

Minn.,illus.

39:8:8-9

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ELECTRICAL ENGINEERING DEPT.

(CARD 14)

1895 photo of lab.

47:7:6

Introducing laser laboratories;
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44:4:22-23

What is electrical engineering at
the University of Minnesota?

51:1:22-23

Spring colloquia schedule.

58:5:5

New building to house Electrical Engineering
and Computer Science Departments planned.

65:1:7,27

Preview of new EE/CSci building, illus; photos.

65:4:22-23

New EE/Computer Science building completed and
open, details; photos.

69:1:6-9

ELECTRICAL ENGINEERING DEPT.

(Card 15)

EE curriculum long on theory, short on practicality;
photo.

70:5:5

ELECTRICAL PARTY

SEE

ELECTRICAL ENGINEERING DEPT.

ELECTRICAL SHOW

SEE

ELECTRICAL ENGINEERING DEPT.

ELECTRICIANS MATES

SEE

U.S. NAVY. ELECTRICIANS MATES.

ELECTRICITY

SEE ALSO

ELECTRONICS.

HYDROELECTRICAL POWER PROJECTS.

ELECTRICITY.

- Electrical hazards in industry. 1:2:20-22
- The electric locomotive is 75 years old;
illus. 2:2:18-19
- Electrical research. 2:5:9
- Talk on electrification. 2:7:17
- Electricity in its infancy. 3:2:16
- National electrification; illus. 3:3:7,28
- Utilization of power at High Dam;illus. 3:5:7-8
- Electric transmission cables; illus. 3:7:5-7,28
- A new power plant for St. Paul. 3:7:8
- Wiring in the Grant Park Stadium, Chicago;
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- Encircled with 110,000 watts;illus.4:3:13,27
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| High Bridge Plant, St. Paul to build. | (CARD 2) |
| Minnesota's electric power industry; | 5:3:11-12 |
| illus. | 5:4:10-12 |
| The Iron Range is being electrified. | 5:8:8-9 |
| Shall we enter the utility business; | |
| illus. | 6:146-147,168 |
| Electric discharges for petroleum pro- | |
| duction; illus. | 8:74,96 |
| The electric ship, California; illus. | 8:276-277 |
| Electricity and light; illus. | 9:182,194 |
| Fifty years of electric light; illus. | 10:8,18 |
| Electrification of passenger terminals; | |
| illus. | 10:44-45 |

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- Industrial production of electric power from
the winds; illus. 12:90-91, 98
- Automatic synchronizing; illus. 13:12-13
- Electric diathermy performs wonders in
medicine; illus. 14:34-35
- Grid unifies British distribution system
for economy of transmission. 15:48-49, 54-55
- Government electric power steps in;
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- Power, as an enterprise; editorial. 16:116
- Carrier-current; illus. 23:168-169
- Demands necessitate greater power effi-
ciency; illus. 25:10, 14

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- A quarter century of electricity; illus. 25:35,53
- The mechanism of death by electric
shock; illus. 25:200,218
- Aircraft electricity; illus. 25:239-240
- A coming electrical business; the food
industry. 25:203,214
- A war-born science: aircraft electricity;
illus. 25:239-240
- 100,000 volts, harmless! illus. 29:103-104,124

ELECTROCHEMISTRY.

- Electrical discharges for petroleum production:
work of Lind and Glockler; illus. 8:74,96
- Activation of reactions by electrical
discharges; illus. 9:114,124
- Chemical studies in electrical discharge
tubes; illus. 10:148,168
- Electro-deposition research in Chemical
Engineering. 19:154

ELECTROLYSIS.

Electrolysis.

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ELECTRONICS

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- Derivation of our electrical units. 5:5:8-12
- The wave length of an electron; illus. 10:78-79,100
- Science approaches new worlds with the
electron microscope; illus. 21:108-109
- Electronics; illus. 24:27-29
- Amplidyne makes use of the educated short
circuit; illus. 24:153-154
- The insight on electronics in industry;
illus. 25:139,154
- The electron microscope is an aid to re-
search; illus. 26:274-275,296
- Electrons in action; illus. 27:134-135,148
- Electronic calculators; illus. 28:218-220,238

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Alumni news.

2:4:14

Alumni news.

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ELIASSEN, SIGURD.

Flood problems in the province of Chi Li
in North China; illus.

1:6:5-7

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ELK RIVER NUCLEAR REACTOR.

An answer to the question of power...
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41:5:14-17,44

ELLERTSON, O J

Mighty machines pave highways to victory:
re Pioneer Engineering Works; illus. 24:219

ELLESTAD, IRWIN W

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4:1:8-10, 24

ELLINSON, J T
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3:5:12

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Wisc. plant. illus.

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Brief biog.	28:256
<u>Ceramics</u> ; illus.	28:262-263, 288
<u>Flourescense</u> ; illus.	29:10-11, 42
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1928 Engineers' Day Queen. photo.

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62:1:26

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3:3:13-14

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<u>Hairnet.</u>	32:4:18
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<u>How green were my little men.</u>	33:1:19,44
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Tech-tivities.

29:66,108,151,
196,278

1949 E Day button chairman; photo.

29:325

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Result of competition for a distinctive
emblem for Minnesota engineers announced. 2:5:11

EMBLON, PAUL.

1949 E Day field day chairman; photo.

29:325

EMMEL, MARY ELIZABETH.

Photo of St. Pat and his queen, 1938.

18:182

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20:151

EMMETT, R R M

The Navy's relation to industry; illus. 3:1:5

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10:262

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ENGDAHL, RICHARD EMANUEL.

To be business manager of Technolog for
1943-44.

23:240

Brief biog.

24:116

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24:272

ENGDAHL, WINIFRED.

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25:30

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ENGBRETSON, MAYNARD

1956 E-Day photographer; photo.

36:543

ENGEN, DAVID E.

Expose; illus.

44:7:6-7

Splinters from the log.

45:1:24

" " " "

45:2:26

" " " "

45:3:22

" " " "

45:4:26

" " " "

45:5:26-27

" " " "

45:6:26

Son of milton rose-grower; illus.

45:7:6-7,29

Splinters from the log.

45:7:12

" " " "

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" " " "

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" " " "

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Splinters from the log.

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11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11
11	11	11	11

46:3:34-35
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46:5:40-42
46:6:30-32
46:7:22-23
46:8:30-31
47:1:30-31
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47:3:32-33
47:4:40-41
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ENGEN, DAVID E.

Splinters from the log; illus.

" " " "

Log's log.

" "

" "

" "

" "

" "

" "

" "

(CARD 3)

47:7:26-27

47:8:24-26

50:1:12-13

50:2:10-11

50:3:8-9

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50:8:4-6

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Minnesota law for the registration of architects, engineering and land surveyors. 2:4:18,20

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The engineer in a changing world. 18:7-9

Modern miracles, poof! ancient engineers had plenty on the ball; illus. 20:160-161

What have we missed from those Egyptian engineers. 24:152,166

Carelessness causes mistakes in engineering; illus. 25:140,154

Engineering...a pseudo science. 40:15,37

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What is the relationship between the government
and the scientist?

54:8:16-17

The dark side of engineering.

70:4:4

ENGINEERING BOOKSTORE

SEE

MINNESOTA BOOK CENTER.

ENGINEERING COLLEGE

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INSTITUTE OF TECHNOLOGY.

ENGINEERING COLLEGE MAGAZINES ASSOCIATED.

Two delegates from the Technolog attend national convention.

4:6:23

Technolog will be host to sixth annual convention of ECMA; program listed.

7:11

Convention post-mort: enthusiastic discussion features ECMA conference recently held at Minnesota.

7:43,62

Rating E.C.M.A. publications; illus.

7:209,222

E.C.M.A. editors meet at Purdue.

10:70

Convention notes.

13:56-57

Minnesota host to 1937 convention;illus.

18:4

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18:43

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Elects Richardson Vice Chairman. 18:93

E.C.M.A. news. 18:165

Editor, Business Manager attend
national convention; Technolog receives
2nd place for best student article. 19:45

Technolog receives four awards in-
cluding a first for best illustrations. 23:64

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Technolog wins awards. 26:88

ENGINEERING EXPERIMENT STATION.

- Note re research being done at Station. 3:2:23
- Research on physical properties of structural insulating boards; illus. 24:178
- Engineering Experiment Station; illus. 26:331,360
- Reconnaissance in science: research on physical properties of structural insulating boards; illus. 27:178

ENGINEERING EXPOSITION AND VICTORY CONFERENCE.

Northwest industries' first great re-
conversion show.

26:204

Student exhibits; photos.

30:7:16-17

ENGINEERING HANDBOOKS.

Let your handbook and your conscience be
your guide; illus.

20:129

ENGINEERING INTERN PROGRAM.

The Co-op experience.

48:3:12-13,19

Minnesota's co-op program.

51:2:26-27

Working towards becoming an engineer:
the intern program.

54:8:8-9

Article on Mechanical Engineering Co-op
program.

66:5:6-7

Benefits of co-op programs.

69:4:16

ENGINEERING INTERN PROGRAM

SEE ALSO

WORK-STUDY PROGRAM.

ENGINEERING LIBRARIES.

Life, Time, Fortune...Library additions;
illus.

34:7:60

Engineering Library

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Library



ENGINEERING LIBRARY

SEE ALSO

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ENGINEERING LIBRARY.

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All libraries of the College of Engi- neering and Architecture consolidated.	5:2:18
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Use your Engineering Library.

42:6:16-17

History-12B.C.; editorial comment
re library.

49:6:8

Introducing the Engineering Library;
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51:2:12

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57:4:29-31

Computerized bibliographic search service
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65:5:7

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Summary of its report, 1970.

50:6:23-25,28-29

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33:3:18-19,52

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Head H.C. Jacobson leaves.	5:8:9
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Bookstores for all; editorial.	6:227
Dividends for six years total \$27,300.	7:9
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ENGINEERS' BOOKSTORE.

(CARD 2)

Gives \$1,000 loan fund to University.	7:126
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Have new books.	8:49, 58
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Salient facts re: Bookstore.

13:119

Successful engineers advise students
to save their textbooks; ad.; illus.

13:160-161

Annual financial report.

14:18

Increased facilities offered.

16:20

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17:209

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history.

18:142-143

Renamed Professional Bookstore.

19:69

Advertisement; illus.

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Bookstore dividends unclaimed.

22:76

Photo.

23:98

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24:133

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25:19

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vouchers.

28:24

Vacated bookstore area to be used
as commons room.

57:5:5

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ENGINEERS' BOOKSTORE BOARD.

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Take a look at your governing boards.	22:38
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1953 elections.	33:7:30
Candidate for election, spring 1954.	34:7:20

ENGINEER'S CLUB.

Talking is easier; re organisation

47:4:56

Formulates option five year degree
program.

49:3:9,11

ENGINEERS' CLUB OF MINNEAPOLIS.

Distributes pamphlet on "Engineering, a career".	14:45
Annual senior dinner to be held April 24, 1949.	19:163
Entertains seniors.	20:141
Banquet set for April 21 (first post- war)	27:198
Senior I.T.'s-you are invited to the Engineers' Club banquet.	27:224
1948 students night held April 19.	28:344
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First arrangements meeting held.	1:5:13
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Financial report.	2:7:11
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1923 St. Pat's Day: a new calendar for Minn.; art. re Day; committees listed.	3:5:9, 28
Stuart V. Willson elected 1923 chairman.	3:5:26
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Chairman to be elected Jan. 25, 1924.	3:6:17
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History of St. Pat's Day & purpose of celebration; illus.	4:5:22, 30-31
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1926 plans near completion.	6:6:188
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This business o' bein' a saint by 1966
St. Pat, R.R. Kelly.

6:7:218

1926 schedule, committees, notes and
photos re Chairman Richard R. Trexler,
St. Pat (R.R. Kelly) and Queen Elizabeth
Dixon.

6:221

Success marks annual festivities.

6:257

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7:46

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(Porter Kilpatrick) named.

7:177

Program, committees, photos of Chairm.
Lloyd Hoover, Queen Winifred Moore and
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St. Pat tells how we got the Blarney Stone; illus.	8:240,254
Committees, program and photos of 1928 Chairman Louis Schaller, St. Pat (Donald Riddell) and Queen Harriet Ellis.	8:241
A history of the Blarney Stone.	9:262-263,276

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1929 committees, program, photos of Chairman George H. Meffert and photos and sketches of St. Pat (Lester J. Rowell) and Queen Margaret Bradbury.

9:8:262-263

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10:194

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10:264-265

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10:264

Sketch of E-Day queen Helen Thian.

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St. Pat's ingenuity; ed.

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ENGINEERS' DAY.

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33:7:50

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33:8:5-12

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34:8:41

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35:6:36-37

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35:6:64

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35:7:41-43

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35:7:60

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35:8:48-56

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36:116

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1961 St.Pat candidates; brief notes & photos.

41:7:18-19

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41:8:10-15

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42:6:5

Engineers Day, 1962: photos. of St. Pat (Robert O'Brien) and Queen Sarah Johnson; history, photos of activities; committees listed.

42:8:6-11

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(CARD 30)

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43:8:14-21

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44:8:5

50th annual E-Day: history; photos of St. Pat (Pete Fausch) and Queen Cindy Baker; photos of events; committees listed.

44:8:10-15

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1965 E-Day; photos of St. Pat
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Stine; photos of activities; winners
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45:8:22-25

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46:8:5

E-Day 1966: notes re and photos
of activities; photos of St. Pat
(Fred Murray) and Queen Janet Schwartz.

46:8:22-28

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47:7:10

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47:7:19

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E-Day, 1967: brief description and photos of activities, photos of Queen Karen Negener and St. Pat (Tom Pietrs)

47:8:8-12

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48:2:10-11

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48:8:8-10,40

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49:8:8-16

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50:4:15

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50:7:9

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50:8:10-13

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homemade car race; miscellaneous activities.

51:8:4-10

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72:6:20-22

ENGINEER'S WEEK

SEE ALSO

I.T. WEEK.

ENGINEERS' YEARBOOK

SEE

MINNESOTA ENGINEER.

ENGINES

SEE ALSO

AUTOMOBILES

AVIATION.

DIESEL ENGINES.

STEAM ENGINES.


ENGINES.

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