

11-30-1945

1

RAE-98
SPECIAL
FUEL
INVEST.
FOR AAF

2

RA E-159
TESTS OF
AERO-JET
UNIT

3

RA E-159
PEROXIDE
FILM
COOLING
TESTS

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

12-31-1945

1

RAE-98
SPECIAL
FUEL
INVEST.
FOR AAF.

2

RA E-159
TESTS OF
AERO-JET
UNIT

3

RAE-159
PEROXIDE
FILM
COOLING
TESTS

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

1-31-1946

1

RA E-98
SPECIAL
FUEL
INVEST.
FOR AAF

2

RA E-159
TESTS OF
AERO-JET
UNIT

3

RA E-159
PEROXIDE
FILM
COOLING
TESTS

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

2-28-1946

1

RA E-98
SPECIAL
FUEL
INVEST.
FOR AAF

2

RA E-159
TESTS OF
AERO-JET
UNIT

3

RA E-159
LIQUID O₂
TEST UNIT
1000 LB.
THRUST

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

3-31-1946

1

RA E-98
SPECIAL
FUEL
INVEST.
FOR AAF

2

RA E-159
TESTS OF
ABRO-JET
UNIT

3

RA E-172
TESTS OF
HIGH-SPEED
PUMP FOR
ROCKET FUELS

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

4-30-1946

1

RA E-98
SPECIAL
FUEL
INVEST.
FOR AAF

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTORS

3

RA E-172
TESTS OF
HIGH-SPEED
PUMP FOR
ROCKET FUELS

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

5 31-1946

1

RA E-98
SPECIAL
FUEL
INVEST.
FOR AAF

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET ENGINES

2

3

RA E-172
TESTS OF
HIGH-SPEED
PUMP FOR
ROCKET FUELS

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

6-30-1946

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCKET PROPS

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET NOZZLES

3

RA E-159
SETUP TEST
OF LIQUID
O₂-GASOLINE
UNIT

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

7-31-1946

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCK PROJ

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

RA E-159
SEMP TEST
OF LIQUID
O₂-GASLINE
UNIT

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

8-31-1946

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCK PROP.

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MTRS.

3

RA E-159
SETUP & TEST
OF LIQUID
O₂-GASLINE
UNIT

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

9-30-1946

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCK PROP.

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

RA E-159
SETUP TEST
OF LIQUID
 O_2 -GASOLINE
UNIT

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

10-30-1946

1

RA E-159
EAP STUDY
OF HIGH
ENERGY
ROCKET

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET NOSE

3

RA E-159
SERIES TEST
OF LIQUID
O₂-GAS
UNIT

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

ROCKET
RESEARCH

11-30-1946

1

RA E-98
EX- STUDY
OF HIGH
ENERGY
ROCKET

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET

3

RA E-159
SEMP-TEST
OF LIQUID
O₂-GASOLINE
UNIT

4

RA E-159
PEROXIDE
FILM
COOLING
TESTS

30-46

ROCKET
RESEARCH

1
RA. 8-158
LAST STAGE
OF HIGH
SPEED
ROCKET

2
RA. 8-157
WEDGE FILM
COOLING
TESTS OF
ROCKET NOZZLE

3
RA. 8-157
REHEAT TEST
OF LIQUID
O₂-FUEL
UNIT

4
RA. 8-159
PERFORATE
FILM
COOLING
TESTS

12-31-46

ROCKET
RESEARCH

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCKET MOTOR

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

RA E-159
SEMP TEST
OF LIQUID
O₂-GASOLINE
UNIT

4

RA E-159
SEMP OF
GOOD L.B.
THRUST LIQ.
COOLED UNIT

1-31-47

ROCKET
RESEARCH

1

RA E-98
THE STUDY
OF HIGH
ENERGY
ROCKET MOTOR

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

RA E-159
SEMP-TEST
OF LIQUID
O₂-GASOLINE
UNIT

4

RA E-159
SETUP OF
G-800 L.B.
THRUST LQ.
COOLED UNIT

2-28-47

ROCKET
RESEARCH

1

RA E-148
BLK STUDY
OF HIGH
ENERGY
ROCKET

2

RA E-150
WATER FILM
COOLING
TESTS OF
ROCKET

3

RA E-151
SETUP TEST
OF LIQUID
O₂-GASOLINE
UNIT

4

RA E-152
SETUP OF
6000 LB.
THRUST LIQ-
COOLED UNIT

3-31-47

ROCKET
RESEARCH

4-30-47

1

RA E-98
EAR STUDY
OF HIGH
ENERGY
ROCKET PROP
100"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

4

C-58
HIGH ENERGY
ROCKET
SCOLE
UNIT

ROCKET
RESEARCH

1

RA 8-98
EXP STUDY
OF HIGH
ENERGY
ROCKET PROPS
100"

2

RA 8-159
WATER FILM
COOLING
TESTS OF
ROCKET WALL

3

E-159
INJECTION
COMBUSTION
IN A
ROCKET

4

E-98
HIGH ENERGY
ROCKET
SOLID
UNIT

5-31-47

ROCKET
RESEARCH

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCK PROP

2

RA E-98
WATER FILM
COOLING
TESTS OF
ROCKET WALLS

3

E-139
INJECTION
COMBUSTION
IN A
ROCKET

4

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

6-30-47

ROCKET
RESEARCH

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCKET MOTOR
IOD²

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-158
INJECTION
COMBUSTION
IN A
ROCKET

4

E-98
HIGH ENERGY
ROCKET
SCALES
UNIT

7-31-47

R O C K E T
R E S E A R C H

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCKET PROPS
100*

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET PROPS

3

E-159
INJECTION
COMBUSTION
IN A
ROCKET

4

E-98
HIGH ENERGY
ROCKET
SCOLE
UNIT

8-31-47

ROCKET
RESEARCH

1

RA E-98
EAR STUDY
OF HIGH
ENERGY
ROCKET PROPEL-
LANT

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET PROPEL-
LANT

3

E-159
INJECTION
COMBUSTION
IN A
ROCKET

4

E-98
HIGH ENERGY
ROCKET
PROPEL-
LANT

9-30-47

ROCKET
RESEARCH

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCKET PROP.
100th

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MNR.

3

E-159
M-113
ROCKET
COND.
WAF VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-58
HIGH ENERGY
ROCKET
500 LB.
UNIT

10-31-47

ROCKET
RESEARCH

1

RA E-985
EAC STUDY
OF HIGH
ENERGY
ROCKET MOTOR
100"

2

RA E-1575
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-159
RA-159
ROCKET -
CORE
RESEARCH

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-58
HIGH ENERGY
ROCKET
BOO L8
UNIT

11-30-47

R O C K E T
R E S E A R C H

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCKET MOTOR
100"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-159
H-10
ROCKET
COMB.
VAR. VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
COOLING
UNIT

12-31-47

ROCKET
RESEARCH

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCKET PROP
100

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET NOZZLE

3

E-159
M-483
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT
100

1-31-48

ROCKET
RESEARCH

1

RA E-98
EXR STUDY
OF HIGH
ENERGY
ROCKET MOTOR
NO. 1

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-159
H-10
ROCKET
COMB.
VALV. VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET
NO. 1

E-98
HIGH ENERGY
ROCKET
MOTOR
UNIT
NO. 1

2-29-48

ROCKET
RESEARCH

1

RA. E-98
EXP. STUDY
OF HIGH
ENERGY
ROCKET MOTOR
100"

2

RA. E-159
WATER FILM
COOLING
TESTS OF
ROCKET MARS
100"

3

E-159
M-83
ROCKET
COMB.
WAV. VOL.
100"

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET
100"

E-98
HIGH ENERGY
ROCKET
COOLING
UNIT
100"

3-31-48

R O C K E T
R E S E A R C H

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCK FROM
100°

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-159
H-113
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
H-113
FLUORINE
100 LB.
ROCKET

4-30-48

ROCKET
RESEARCH

1

RA E-98
EAC STUDY
OF HIGH
ENERGY
ROCKET PROP.
NO²

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MNR.

3

E-159
H-113
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-543
-113
FLUORINE
100 LB.
ROCKET

5-31-48

ROCKET
RESEARCH

6-30-48

1

RA. E-98
EXP. STUDY
OF HIGH
ENERGY
ROCK PROOF
100*

2

RA. E-159
WATER FILM
COOLING
TESTS OF
ROCKET MIRR.

3

E-159
H-113
ROCKET
COMB.
VAR. VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET
100*

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT
100*

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

7-31-1948

1

RA. E-98
EXP. STUDY
OF HIGH
ENERGY
ROCKET MOTOR
100th

2

RA. E-159
WATER FILM
COOLING
TESTS OF
ROCKET ENGINE

3

E-159
H-113
ROCKET
COMB.
VAL. VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

8-31-1948



ROCKET
RESEARCH

9-30-1948

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCKET MOTOR
150"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-159
H-113
ROCKET
COMB.
WATER VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
H-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

10-31-1948

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCKET PROP
100th

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MNR

3

E-159
H-113
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

11-30-1948

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCK PROP.
100°

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MNR.

3

E-159
H-113
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

12-31-1948

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCK PROP
100"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MNR

3

E-159
H-113
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

1-31-1949

1

RA E-98
EXP STUDY
OF HIGH
ENERGY
ROCK PROP
100"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET NOZZLES

3

E-159
M-113
ROCKET
COMB
VAR VOL

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-159
M-113
FLUORINE
100 LB
ROCKET

ROCKET
RESEARCH

2-28-1949

1

RA E-98
BAR STUDY
OF HIGH
ENERGY
ROCKET PROPR
100°

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET NOZZLES

3

E-159
H-113
ROCKET
COMB.
VAR VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

3-31-1949

1

RA E-98
LNR STUDY
OF HIGH
ENERGY
ROCKET PROOF
100"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MOTOR

3

E-159
M-113
ROCKET
COMB.
VALVE

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

4-30-49

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCK PROP.
100°

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET NOZ.

3

E-159
H-113
ROCKET
COMB.
WAR. VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500 LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

5-31 - 49

1

RA E-98
EXP. STUDY
OF HIGH
ENERGY
ROCK. PROJ.
100"

2

RA E-159
WATER FILM
COOLING
TESTS OF
ROCKET MTRSS

3

E-159
M-113
ROCKET
COMB.
VAR. VOL.

4

E-159
INJECTION
COMBUSTION
IN A
ROCKET

E-98
HIGH ENERGY
ROCKET
500-LB.
UNIT

5

E-98
-113
FLUORINE
100 LB.
ROCKET

ROCKET
RESEARCH

6-30-1949

21	22	23	24	31
				E-98 H-13 FLUORINE 100 LB. ROCKET
11	12	13	14	
E-98 HIGH ENERGY ROCKET 800 LB. UNIT	E-155 H-13 ROCKET COMP. MR VOL.	RA E-155 WATER FILM COOLING TESTS OF ROCKET ENGINE	RA E-98 ENG STUDY OF HIGH ENERGY ROCKET ENGINE 100"	E-200 T-121 EVALUATION COMPOUND HAWK HIGH REACT ENRG

HIGH PRESSURE COMBUSTION

7-31-1949

21	22	23	24	3
E-229 5-19-113 IGNITION OF ROCKET PROP AT HIGH ALT	E-198 11-113 INJECTION & COMB IN ROCKETS	E-198 7-113 HIGH- PRESSURE ROCKET PROPLANTS	E-229 19-113 IGNITION AT HIGH ALT FULL SCALE ROCKET	E-98 7-113 FLUORINE 100 LB. ROCKET
11	12	13	14	
E-198 5-23-113 REC. ENG FILM COOLING & THRU JETS	E-198 16-113 ROCKET COMB MAY VOL.	E-213 24-113 ROCKET COMBUSTION VIBRATION	E-198 7-113 HIGH- PRESSURE ROCKET PROPLANTS	E-200 7-113 EVALUATION COMPOUND HAVING HIGH REACT. ENRG

HIGH PRESSURE COMBUSTION

8-31-1949

21

E-229
5, 19-113
IGNITION
OF ROCKET
PROP. AT
HIGH ALT.

22

E-159
11-113
INJECTION
& COMB. IN
ROCKETS

23

E-98
7-113
HIGH
ENERGY
ROCKET
PROPELLENTS

24

E-229
19-113
IGNITION
AT HIGH ALT.
FULL SCALE
ROCKET

31

E-98
7-113
FLUORINE
100 LB.
ROCKET

11

E-159
5, 23-113
ROCK. ENG.
FILM
COOLING &
TWIN JETS

12

E-159
14-113
ROCKET
COMB.
W/ R. VOL.

13

E-213
24-113
ROCKET
COMBUSTION
VIBRATION

14

E-98
7-113
HIGH
ENERGY
ROCKET
PROPELLENTS

E-200
7-121
EVALUATION
COMPOUNDS
HAVING HIGH
REACT. ENERGY

H I G H P R E S S U R E C O M B U S T I O N

9-30-1949

21

E-98
1-28-113
ROCKET
OF FROM J.C.
-FUEL 100 LB
FROM JET.

22

E-98
24-113
FLUORINE
SUBSTITUTION
FUEL

23

E-98
7-113
HIGH
ENERGY
ROCKET
PROPULSION

24

E-98
1-28-113
ROCKET
OF FROM J.C.
-FUEL 100 LB
FROM JET.

31

E-98
7-113
FLUORINE
100 LB
ROCKET

11

E-98
1-28-113
ROCKET
OF FROM J.C.
-FUEL 100 LB
FROM JET.

12

E-98
14-113
ROCKET
COMP.
MIXED

13

E-98
24-113
FLUORINE
SUBSTITUTION
FUEL

14

E-98
28-113
ROCKET
-
ENERGY
ROCKET
PROPULSION

HIGH PRESSURE COMBUSTION

21	22	23	24	31
E-229 8, 19-113 IGNITION OF ROCKET PROF AT HIGH ALT.	E-159 11-113 INJECTION & COMB. IN ROCKETS	E-99 7-113 HIGH ENERGY ROCKET PROPLANTS	E-229 19-113 IGNITION AT HIGH ALT. FULL SCALE ROCKET	E-99 7-113 FLUORINE 100 LB. ROCKET
11	12	13	14	
E-159 8, 23-113 ROCK. ENG. FILM COOLING & TWIN JETS	E-159 14-113 ROCKET COMB. VAL. VOL.	E-213 24-113 ROCKET COMBUSTION VIBRATION	E-99 7-113 HIGH ENERGY ROCKET PROPLANTS	

HIGH PRESSURE COMBUSTION

10-31-49

21	22	23	24	31
E-229 S, 19-113 IGNITION OF ROCKET PROJ AT HIGH ALT.	E-159 19-113 INJECTION & COMB. IN ROCKETS	E-98 7-113 HIGH ENERGY ROCKET PROPLANTS	E-229 19-113 IGNITION AT HIGH ALT. FULL SCALE ROCKET	E-98 7-113 FLUORINE 100 LB. ROCKET
11	12	13	14	
E-159 S, 23-113 ROCK. ENG. FILM COOLING & TWIN JETS	E-159 14-113 ROCKET COMB. VALVUL.	E-213 24-113 ROCKET COMBUSTION VIBRATION	E-98 7-113 HIGH ENERGY ROCKET PROPLANTS	

HIGH PRESSURE COMBUSTION

11-30-49

21

E-229
5, 19-113
IGNITION
OF ROCKET
PROP AT
HIGH ALT

22

E-159
19-113
INJECTION
& COMB IN
ROCKETS

23

E-98
7-113
HIGH
ENERGY
ROCKET
PROPONENTS

24

E-229
19-113
IGNITION
AT HIGH ALT
FULL SCALE
ROCKET

31

E-98
7-113
FLUORINE
100 LB
ROCKET

11

E-59
5, 23-113
ROCK ENG
FILM
COOLING &
TWIN JETS

12

E-59
14-113
ROCKET
COMB
WR VOL

13

E-215
24-113
ROCKET
COMBUSTION
VIBRATION

14

E-98
7-113
HIGH
ENERGY
ROCKET
PROPONENTS

HIGH PRESSURE COMBUSTION

12-31-49

21

E-229
5, 19-113
IGNITION
OF ROCKET
PROP. AT
HIGH ALT.

22

E-159
10-113
INJECTION
& COMB. IN
ROCKETS

23

E-90
7-113
HIGH
ENERGY
ROCKET
PROPELLANTS

24

E-229
19-113
IGNITION
AT HIGH ALT.
FULL SCALE
ROCKET

31

E-90
7-113
FLUORINE
100 LB.
ROCKET

11

E-159
5, 23-113
ROD, ENG.
FILM
COOLING &
TWIN JETS

12

E-159
14-113
ROCKET
COMB.
VALVE

13

E-213
24-113
ROCKET
COMBUSTION
VIBRATION

14

E-90
7-113
HIGH
ENERGY
ROCKET
PROPELLANTS

HIGH PRESSURE COMBUSTION

1-31-50

21

E-229
S, 19-113
POSITION
OF ROCKET
FROM AT
HIGH ALT.

22

E-129
19-113
INJECTION
IN COMB IN
ROCKETS

23

E-146
7-113
HIGH
ENERGY
ROCKET
PROP CNT'S

24

E-229
19-113
POSITION
AT HIGH ALT
FULL SCALE
ROCKET

31

E-146
7-113
FLUORINE
100 LB
ROCKET

11

E-156
S, 23-113
ROC. ENG.
FILM
COOLING &
TWIN JETS

12

E-156
14-113
ROCKET
COMB.
MR VOL.

13

E-213
24-113
ROCKET
COMBUSTION
VIBRATION

14

E-156
7-113
HIGH
ENERGY
ROCKET
PROP CNT'S

H I G H P R E S S U R E C O M B U S T I O N

2-28-50

21	22	23	24	31
2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	
11	12	13	14	
2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	2-030 10A-120 100 PSI P. 100 PSI P. 100 PSI P. 100 PSI	

3-31-1950

HIGH PRESSURE COMBUSTION

21

B-229
10A-120INJECTION
OF NOCKET
PROP AT
LOW TEMPS

22

B-159
6A-120INJECTION
& COMB IN
NOCKET

23

B-76
4A-120HIGH
EXTRCT
NOCKET
PROP'L'NTS

24

B-229
10A-120INJECT AS
NOCK ALT
FULL SCALE
NOCKET

31

11

B-159
5-23-113NOCK AND
FILM COOL-
ING & TRNS
JETS

12

B-159
7A-120NOCKET
CORRECTION
VIB VEL

13

B-213
10A-120NOCKET
CORRECTION
VIBRA-
TION

14

B-76
4A-120HIGH
EXTRCT
NOCKET
PROP'L'NTS

4-30-1950

HIGH PRESSURE COMBUSTION

21

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

22

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

23

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

24

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

31

2-871
44-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

11

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

12

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

13

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

14

2-871
24-127

2-880-25
4-1000-12
4-1000-12
4-1000-12

5-31-1950

HIGH PRESSURE COMBUSTION

21

12495
1244-1250IGNITION
OF ROCKET
POOP AT
LOW TEMPS

22

12495
1244-125012495-12
12495-12
12495-12
12495-12
12495-12

23

12495
1244-125012495-12
12495-12
12495-12
12495-12
12495-12

24

12495
1244-125012495-12
12495-12
12495-12
12495-12
12495-12

31

12495
1244-125012495-12
12495-12
12495-12
12495-12
12495-12

11

12495
1244-1250ROCKET
POOP
FILE
POOP

12

12495
1244-1250ROCKET
POOP
FILE
POOP

13

12495
1244-125012495-12
12495-12
12495-12
12495-12
12495-12

14

12495
1244-125012495-12
12495-12
12495-12
12495-12
12495-12

6-30-1950

HIGH PRESSURE COMBUSTION

21	22	23	24	31
8-229 10A-120 INST TOOR OF ROCKET PROP AT LOW TEMPS	8-129 6A-120 INST TOOR & COND IN ROCKET	8-28 4A-120 INST ROCKET PROP AT LOW TEMPS	8-229 10A-120 INST TOOR OF ROCKET PROP AT LOW TEMPS	8-28 4A-120 INST ROCKET PROP AT LOW TEMPS
11	12	13	14	
8-129 10A-120 INST TOOR OF ROCKET PROP AT LOW TEMPS	8-229 10A-120 INST TOOR OF ROCKET PROP AT LOW TEMPS	8-213 10A-120 INST ROCKET PROP AT LOW TEMPS	8-28 4A-120 INST ROCKET PROP AT LOW TEMPS	

8-31-1950

HIGH PRESSURE COMBUSTION

21

22

23

4

31

PRISM
2A-120
ROCKET
ENGINE
FILM
COOLING

8-100
2A-120
INJECTION
& COOL OF
ROCKET

PRISM
2A-120
ROCKET
ENGINE
FILM
COOLING

8-100
2A-120
ROCKET AT
HIGH ALT
FULL SCALE
ROCKET

PRISM
2A-120
ROCKET
ENGINE
FILM
COOLING

11

12

13

14

PRISM
2A-120
ROCKET
ENGINE
FILM
COOLING

8-100
2A-120
ROCKET
ENGINE
FILM
COOLING

8-100
2A-120
ROCKET
ENGINE
FILM
COOLING

8-100
2A-120
ROCKET
ENGINE
FILM
COOLING

9-29-1950

HIGH PRESSURE COMBUSTION

21

PERMA
3A-120
ROCKET
ENGINE
FILM
COOLING

22

B-100
4A-120
INJECTOR
& ORB IN
ROCKET

23

PERMA
12A-120
COMBUSTION
VIBRATION
IN ROCKET

4

B-100
10A-120
IGNITION AT
HIGH ALT
FULL SCALE
ROCKET

31

PERMA
4A-120
HIGH OR.
ROCKET
PROPELLANT

11

PERMA
3A-120
ROCKET
ENGINE
FILM
COOLING

12

B-100
7A-120
ROCKET
COMBUSTION
VIBRATION
VCL

13

B-213
12A-120
ROCKET
COMBUSTION
VIBRATION

14

B-08
4A-120
HIGH
ROCKET
ROCKET
PROPELLANT

11-7-1950

HIGH PRESSURE COMBUSTION

21

PR004
3A-120
ROCKET
ENGINE
FIRE
EXPLOR

22

B-100
0A-120
ROCKET
ENGINE
FIRE
EXPLOR

23

PR004
10A-120
ROCKET
ENGINE
FIRE
EXPLOR

4

B-100
10A-120
ROCKET
ENGINE
FIRE
EXPLOR

31

PR004
4A-120
ROCKET
ENGINE
FIRE
EXPLOR

11

PR004
3A-120
ROCKET
ENGINE
FIRE
EXPLOR

12

B-100
7A-120
ROCKET
ENGINE
FIRE
EXPLOR

13

B-100
10A-120
ROCKET
ENGINE
FIRE
EXPLOR

14

B-100
4A-120
ROCKET
ENGINE
FIRE
EXPLOR

12-11-1950

HIGH PRESSURE COMBUSTION

21	22	23	4	31
P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE
11	12	13	14	1-9-1951
P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE	P-100 100-120 PRODUCTION OF JET ENGINE	

HIGH PRESSURE COMBUSTION

21	22	23	4	31
PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE
11	12	13	14	
PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE	PRISM 3A-100 ROCKET ENGINE FROM ENGINE	

1-31-1951

HIGH PRESSURE COMBUSTION

21	22	23	4	31
PISTON 3A-120 ROCKET ENGINE FILM COOLING	PISTON 4A-120 ROCKET ENGINE FILM COOLING	PISTON 5A-120 ROCKET ENGINE FILM COOLING	PISTON 6A-120 ROCKET ENGINE FILM COOLING	PISTON 7A-120 ROCKET ENGINE FILM COOLING
11	12	13	14	2-28-1951
PISTON 8A-120 ROCKET ENGINE FILM COOLING	PISTON 9A-120 ROCKET ENGINE FILM COOLING	PISTON 10A-120 ROCKET ENGINE FILM COOLING	PISTON 11A-120 ROCKET ENGINE FILM COOLING	

H I G H P R E S S U R E C O M B U S T I O N

21

FIGURE
1A-120
ROCKET
ENGINE
FIRE
COOLING

22

FIGURE
6A-120
ROCKET
ENGINE
FIRE.

23

FIGURE
12A-120
COMBUSTION
VELOCITIES
IN ROCKET

4

FIGURE
10A-120
ROCKET AT
HIGH ALT.
FULL SCALE
ROCKET

31

FIGURE
4A-120
HIGH ALT.
ROCKET
PROPULSION

11

FIGURE
1A-120
ROCKET
ENGINE
FIRE
COOLING

12

FIGURE
6A-120
INJECTION
& COMB. IN
ROCKET

13

FIGURE
12A-120
ROCKET
COMBUSTION
VELOCITIES
IN ROCKET

14

FIGURE
10A-120
HIGH
ALTITUDE
ROCKET
PROPULSION

6-7-1951

HIGH PRESSURE COMBUSTION

21

R-304
JA-120
ROCKET
ENGINE
FILM
COOLING

22

R-304
JA-120
ROCKET
ENGINE
FILM.

23

R-304
JA-120
COMBUSTION
VIBRATIONS
IN ROCKETS

4

R-229
JA-120
COMBUSTION AT
HIGH ALT
FULL SCALE
ROCKET

31

R-302
JA-120
HIGH PR.
ROCKET
PROPELLANTS

11

R-304
JA-120
ROCKET
ENGINE
FILM
COOLING

12

R-159
JA-120
INJECTION
& COMB. IN
ROCKETS

13

R-213
JA-120
ROCKET
COMBUSTION
VIBRATIONS

14

R-30
JA-120
HIGH
ROCKET
PROPELLANTS

7-13-1951

HIGH PRESSURE COMBUSTION

21	22	23	4	31
P8386 3A-120 ROCKET ENGINE FILM COOLING	P8387 4B-120 INJECTION AND EXHAUST SYSTEMS	P8384 12A-120 COMBUSTION AND EXHAUST IN ROCKET	P-229 10A-120 INJECTION AND EXHAUST FULL SCALE ROCKET	P8385 4B-120 INJECTION AND EXHAUST SYSTEMS
11	12	13	14	11-8-1951
P8386 3A-120 ROCKET ENGINE FILM COOLING	P8387 4B-120 INJECTION AND EXHAUST SYSTEMS	P-229 10A-120 INJECTION AND EXHAUST FULL SCALE ROCKET	P-229 10A-120 INJECTION AND EXHAUST FULL SCALE ROCKET	

H I G H P R E S S U R E C O M B U S T I O N