



LETTER AGREEMENT No. 93-41-PGE



Pacific Gas and Electric Company
Industrial Relations Department
201 Mission Street, 1513A
San Francisco, California 94105
[415] 973-3420

International Brotherhood of
Electrical Workers, AFL-CIO
Local Union 1245, IBEW
P.O. Box 4790
Walnut Creek, California 94596
[415] 933-6060

Ronald L. Bailey, Manager or
David J. Bergman, Director and Chief Negotiator

Jack McNally, Business Manager

18 May 1993

Pacific Gas & Electric Company
201 Mission Street, Fifteenth Floor
San Francisco, California 94105

Attention: Mr. Ronald L. Bailey
Manager of Industrial Relations


Gentlemen:

In response to Ms. Spingola's comment/memo dated May 13, 1993, Union proposes to establish a booklet format for the **Divisions Employee Provided Tool List**. This is a consolidation of all departments' tool lists (with the exception of General Construction) for convenient reference of people working in the field.

If you are in accord with the foregoing and attachment and agree thereto, please so indicate in the space provided below and return one executed copy of this letter to the Union.

Very truly yours,

LOCAL UNION 1245, INTERNATIONAL
BROTHERHOOD OF ELECTRICAL WORKERS, AFL-CIO

By: 
Jack McNally
Business Manager

The Company is in accord with the foregoing and agrees thereto.

PACIFIC GAS & ELECTRIC COMPANY

7/12/93, 1993

By: 
Ronald L. Bailey
Manager of Industrial Relations



PACIFIC GAS AND ELECTRIC COMPANY

AND

IBEW, LOCAL UNION 1245, AFL-CIO

DIVISIONS

EMPLOYEE PROVIDED TOOL LIST

May, 1993

TABLE OF CONTENTS

Page

ELECTRIC TRANSMISSION AND DISTRIBUTION

-	Lineman/Apprentice Lineman	1
-	Cable Splicer/Apprentice Cable Splicer	1
-	Electrician/Apprentice Electrician	1

ELECTRIC MAINTENANCE

-	Telecommunication Technician	3
-	Electrician/Apprentice Electrician	3
-	Electrical Technician/Apprentice Electrical Technician	4
-	Electrical Machinist/Apprentice Electrical Machinist	5

MATERIALS

-	Welders	7
-	Machine Operator	7
-	Maintenanceman	7
-	Apprentice Machinist	8
-	Electrician/Apprentice Electrician/Apparatus Repairman	8
-	Carpenter	9
-	Machinist	9
-	Electrician (Bushing Dept.)	10
-	Metal Worker	10

GARAGE

-	Equipment Mechanic	12
-	Apprentice Equipment Mechanic	13

STEAM GENERATION AND NUCLEAR POWER GENERATION

-	Electrician/Apprentice Electrician	14
-	Electrical Machinist/Apprentice Machinist	14

DIVISIONS

ELECTRIC TRANSMISSION & DISTRIBUTION¹

Lineman **Apprentice Lineman**

1. Body Belt
2. Safety Strap (Employee provides first strap; Company provides replacements)
3. Climber with Pads and Straps
4. 8" Klein Pliers or Equivalent
5. Pliers - Channel Lock No. 420 or Equivalent
6. Skinning Knife
7. 6' Non-Metallic Folding Ruler
8. Gauge for Gaffs which cannot be measured on the Fargo Gauge provided by Company

Cable Splicer **Apprentice Cable Splicer**

1. 8" Klein Pliers or Equivalent
2. Long Nose Pliers
3. Pliers - Channel Lock or Equivalent
4. Skinning Knife
5. 6' Non-Metallic Folding Ruler

Electrician **Apprentice Electrician**

1. Box Tool
2. Bar, Pry
3. Chisel, Cold, 1/2"
4. Chisel, Small Wood
5. Clamps, 4" C - 2
6. Frame, hacksaw, 12"
7. Gauges, Thickness .0015" - .2" - 1 Set
8. Hammer, Ball Peen, 12 oz.
9. Hammer, Small Ball Peen or Plastic Head
10. Hammer, Carpenter's Claw Ripping
11. Knife, Electrician's*
12. Knife, Putty
13. Level, Aluminum, 24"
14. Level, Torpedo, 9"

(Contd.)

*Items to be supplied by Appr. Electricians during first 3 months in classification.

ELECTRICAL TRANSMISSION & DISTRIBUTION (Contn.)

Electrician Apprentice Electrician (Contn.)

15. Mirror, Inspection
16. Pin Drift, 3/16", 1/4", 5/16", 3/8" - 1 Set
17. Pliers, Klein (Lineman) 8"*
18. Pliers, Channel Lock, 9 - 12"*
19. Pliers, Diagonal, 6"*
20. Pliers, Long or Needle Nose*
21. Pliers, Vice Grip
22. Punch, Center, 1/4"
23. Punch, Center, 3/8"
24. Punch, Pin, 1/16" to 3/8" by 16ths - 1 Set
25. Retriever, Flexible
26. Rule, Wood Folding, 6'*
27. Scissors
28. Scraper, Paint
29. Screwdriver, Angle with Ratchet
30. Screwdrivers, Electrician's - 1 Set*
31. Screwdriver, Holding, Small
32. Screwdriver, Holding, Large*
33. Screwdrivers, Phillips Head - 1 Set
34. Screwdrivers, Offset - 1 Set
35. Screwdrivers, Stubby, Small*
36. Screwdrivers, Stubby, Large*
37. Scribe
38. Snips, Tin
39. Spintight Nut Drivers, Deep Hollow Shank - 1 Set
40. Square, Combination Try and Mitre
41. Square, Carpenter's, Steel, 24"
42. Stone, Carborundum Sharpening
43. Stripper, Wire*
44. Tweezers
45. Wrenches, Allen Key - Short Arm, .05" to 5/8" - 1 Set
46. Wrenches, Allen Key - Long Arm, 5/64" to 3/8" - 1 Set
47. Wrenches, Box End, 3/8" to 7/8" by 16ths - 1 Set
48. Wrenches, Open End, 3/8" to 7/8" by 16ths - 1 Set
49. Wrenches, Combination, 3/8" to 7/8" by 16ths (Alternate for Box End and Open End Sets) - 1 Set
50. Wrenches, Open End Midgets - 1 Set
51. Wrenches, Crescent, 4", 6", 8", 10", 12" or Equivalent (*6" only) - 1 Set*
52. Wrenches, Pipe, 8"
53. Wrench, Pipe, 10"
54. Wrench, Socket Set, Deep, 1/2" Ratchet Drive with Extensions, 3/8" to 7/8" by 16ths - 1 Set

*Items to be supplied by Appr. Electricians during first 3 months in classification.

ELECTRIC MAINTENANCE

Telecommunication Technician Apprentice Telecommunication Technician

1. Box, Tool and/or Tool Pouch (8 1/2" x 6 1/4"
2. Hammer, Ball Peen, Small
3. Knife, Electrician's
4. Level, Torpedo, 9"
5. Mirror, Inspection
6. Pliers, Channel Lock, 9 1/2"
7. Pliers, Diagonal 6"
8. Pliers, Diagonal, Miniature
9. Pliers, Long or Needle Nose, 6"
10. Pliers, Long or Needle Nose, Miniature
11. Punch, Center, 1/4"
12. Rule, Wood Folding, 6'
13. Screwdrivers, Electrician's, 1 Set
14. Screwdriver, Offset
15. Screwdriver, Stubby
16. Screwdriver, Ratchet
17. Screwdriver, Holding, Small
18. Screwdriver, Holding, Large
19. Screwdrivers, Phillips Head - 1 Set
20. Spintight Nut Drivers, Hollow Shank, Miniature, 1 Set]
21. Stripper, Wire
22. Tweezers
23. Wrenches, Allen Key - Short Arm, .05" - 3/16", 1 each
24. Wrench, Crescent, 4", 6", 8" or Equivalent, 1 Each
25. Hemostat (Surgical Scissor)

Apprentice Telecommunication Technicians are expected to accumulate all required tools during the first 6 months of classification.

Electrician Apprentice Electrician

The same list listed under Electric Transmission and Distribution Dept. for Electrician and Apprentice Electrician.

ELECTRICAL MAINTENANCE (Contn.)

Electrical Technician **Apprentice Electrical Technician**

1. Box, Tool
2. Drafting Equipment: Triangle, Protractor, Compass, Engineer's Scale, 1 Ea.
3. Files, Jeweler, 1 Set
4. Frame, Hacksaw, 12"
5. Gauges, Feeler, 1 Set
6. Hammer, Ball Peen, 12 oz.
7. Hammer, Small Ball Peen or Plastic Head
8. Knife, Electrician's
9. Level, Torpedo, 9"
10. Mirror, Inspection
11. Pliers, Klein (Lineman), 8" or Equivalent
12. Pliers, Channel Lock, 9 1/2" or Equivalent
13. Pliers, Diagonal 6"
14. Pliers, Long or Needle Nose
15. Pliers, Jeweler's
16. Pliers, Vise Grip
17. Punch, Center, 1/4"
18. Punch, Pin, 1/16" to 3/8" by 16ths, 1 Set
19. Retriever, Flexible
20. Rule, Wood Folding, 6'
21. Scissors
22. Screwdriver, Angle with Ratchet
23. Screwdrivers, Electrician's, 1 Set
24. Screwdriver, Holding, Small
25. Screwdriver, Holding, Large
26. Screwdrivers, Jeweler's, 1 Set
27. Screwdrivers, Phillips Head - 1 Set
28. Screwdrivers, Offset, 1 Set
29. Screwdriver, Stubby, Small
30. Screwdriver, Stubby, Large
31. Scribe
32. Snips, Tin
33. Spintight Nut Drivers, Deep Hollow Shank, 1 Set
34. Slide Rule
35. Square, Combination Try and Mitre
36. Stone, Carborundum, Sharpening
37. Stripper, Wire
38. Tweezers
39. Wrenches, Allen Key - Short Arm, .05" - 5/8", 1 Set
40. Wrenches, Box End, 3/8" to 7/9" by 16ths, 1 Set
41. Wrenches, Open End, 3/8" to 7/8" by 16ths, 1 Set
42. Wrenches, Combination, 3/8" to 7/8" by 16ths (Alternate for Box Enc and Open End Sets), 1 Set
43. Wrenches, Open End Midgets, 1 Set
44. Wrenches, Crescent, or Equivalent - 1 Set

Apprentice Electrical Technicians are expected to accumulate all required tools during first 6 months in classification.

ELECTRICAL MAINTENANCE (Contn.)

Electrical Machinist Apprentice Electrical Machinist

1. Box, Tool*
2. Bar, Pry
3. Bar, Pinch Aligning
4. Calipers, 6" Inside
5. Calipers, 6" Outside
6. Chisel, Cold, 3/8" & 5/8", 1 Ea.
7. Frame, 12" Hacksaw
8. Gauges, Thickness .0015" - .2", 1 Set
9. Gauge, Wrie & Drill No. 1260
10. Hammer, Ball Peen
11. Hammers, 12 & 16 oz., 1 Ea.
12. Knife, Electrician's*
13. Knife, Putty
14. Mallet, Rubber/Rawhide
15. Mirror, Inspection
16. Pliers (Channel Lock, 9 1/2") or Equivalent*
17. Pliers, Diagonal, 6"*
18. Pliers, Klein (Lineman), 8" or Equivalent*
19. Pliers, Long or Needle Nose, 1 Pair*
20. Pliers, Vise Grip, 1 Pair
21. Stripper, Wire*
22. Plumb Bob
23. Punch, Center, 1/4" & 3/8", 1 Ea.
24. Punch, Drift, 2/16 to 3/8" by 16ths, 1 Set
25. Punch, Pin, 1/16" to 3/8" by 16ths, 1 Set
26. Retriever, Flexible, Magnetic
27. Rule, 6" Steel
28. Rule, 12" Steel
29. rule, 12" Wooden 6'*
30. Scale, 12" & Crosshead
31. Scraper, Bearing
32. Screwdrivers, 4", 6", 8", 10", 12", 1 Ea.*
33. Screwdrivers, Offset, 1 Set
34. Screwdrivers, Phillips Head, 1 Set
35. Screwdrivers, Quick, Wedge, Small, Medium and Large, 1 Set
36. Screwdrivers, Stubby, Small & Large, 1 Ea.*
37. Scribe
38. Snips, Tin, 1 Pair
39. Sockets, 1/2" Drive, Set, Deep
40. Square, Combination Center Head and Protractor, 12"
41. Tweezers, Heavy Duty
42. Wrenches, Allen Key - Short Arm .05" to 5/8", 1 Set
43. Wrenches, Allen Key - Long Arm, 5/64" to 3/8", 1 Set

(Contd.)

*Items to be supplied by Apprentice Electricians during first 3 months in classification.

ELECTRICAL MAINTENANCE (Contn.)

Electrical Machinist
Apprentice Electrical Machinist (Contn.)

- 44. Wrenches, Box End, 3/8" to 7/8" by 16ths, 1 Set
- 45. Wrenches, Crescent, 4", 6", 8", 10", 12" or Equivalent, 1 Ea.*
- 46. Wrenches, Open End, 3/8" to 7/8" by 16ths, 1 Set
- 46. Wrenches, Open End, 3/8" to 7/8" by 16ths, 1 Set
- 47. Wrench, Pipe, 12" - 14", 1 Each
- 48. Spintight Nut Drivers, Deep Hollow Shank, 1 Set
- 49. Level, Torpedo, 9"
- 50. Micrometer, Outside, 0 - 1, & 1 - 2, 1 Ea.
- 51. Micrometer, Inside, 3" & 8", 1 Ea.
- 52. Gauge, Thread Pitch
- 53. Machinist Manual
- 54. Wedges, Parting

*Items to be supplied by Apprentice Electricians during first 3 months in classification.

MATERIALS²

Welders

1. Outside Calipers 4" & 12"
2. Dividers, 0" - 12" radius
3. Square, Combination 12"
4. Square, 24"
5. Brass Rule, 12" (Inside, Outside)
6. Trammels, 12" to 36"
7. Center Punches, Fine Point & Heavy
8. Klein Cutters, or Equivalent
9. Hammer, Small Ball Peen
10. Hammer, Medium Size Ball Peen
11. Hammer, Small Cross Peen
12. Hammer, Medium Size Cross Peen
13. Scribes

Machine Operator

1. Tool Box
2. Ball Peen Hammer
3. Screwdrivers, 10" & 6" - 1 ea.
4. Crescent Wrench, 10" & 6" - 1 ea., or Equivalent
5. Center Punch
6. Dividers, 6" & 12" - 1 ea.
7. 6" Steel Rule
8. Steel Tape
9. Combination Square
10. Pliers, Gas
11. Pliers, Klein, 8" or Equivalent

Maintenanceman

1. Tool Box
2. Ball Peen Hammer
3. Screwdrivers, 10", 6", 2" - 1 ea.
4. Crescent Wrench, 10" & 6" - 1 ea. or Equivalent
5. Center Punch
6. 6" Steel Tape
7. Combination Square
8. Combination Open End & Box Wrench 3/8" to 1 1/8"
9. Dividers, 6" & 12" - 1 ea.
10. 8" Vice Grip or Equivalent
11. Pliers, Gas
12. Pliers, Klein, 8" or Equivalent

²LA R2-89-219

MATERIALS (Contn.)

Apprentice Machinist

1. Tool Box
2. Set Micrometer, 0" to 1"
3. Calipers - Outside & Inside, 6" - 1 ea.
4. Dividers, 6" & 12" - 1 ea.
5. Combination Square, 12"
6. Center Head
7. 6" Steel Rule
8. Center Gauge
9. 6' Steel Tape
10. Center Punch
11. Screwdrivers, 6" & 10" - 1 ea.
12. Crescent Wrenches, 6" & 12" - 1 ea. or equivalent
13. Hacksaw
14. Pliers, Gas
15. Pliers, Klein, 8" or Equivalent

Electrician/Apprentice Electrician/Apprentice Repairman

1. Crescent Wrench, 6", 8", 10", 12" - 1 ea. or Equivalent*
2. Screwdriver, 6", 8", 10" - 1 ea.*
3. Screwdriver, Standard Phillips, Holding, 6"*
4. Ball Peen Hammers - Standard & Heavy - 1 ea.*
5. Center Punch*
6. Chisel*
7. Allen Wrenches, Set*
8. Calipers - Inside & Out, 8" & 10" - 1 ea.
9. Dividers, 10"
10. Drift Pin Drivers, Set
11. Offset Screwdrivers - 1 Straight & 1 Phillips
12. Lineman Pliers, Diagonal*
13. Needle Nose, Channel Lock or Equivalent*
14. Pliers, Vice Grip, Round Hose or Equivalent*
15. Scriber*
16. Open End and Box Wrenches, 1/4" to 1 1/4"
17. Combination Square, 12"*
18. Socket Set, 3/8" Drive, 1/4" - 1 1/8"
19. Feeler Gauges
20. Set, Spin Tights
21. Tool Box*
22. Tin Snips

*Apprentice Electrician and Apparatus Repairman

MATERIALS (Contn.)

Carpenter

1. Claw Hammer
2. Brace, 10"
3. Set, Auger Bit, 1/4" to 1"
4. Expansion Bit
5. Set, Screw Mate Drill
6. Set of Wood Chisels, No. 6 1/4" to 1"
7. 24" Level
8. Scratch Awl
9. Marking Gauge
10. Set of Nail Sts
11. Hacksaw
12. Wood Saw, Cross Cut
13. Smooth Plane, 8"
14. Block Plane
15. Steel Tape, 6'
16. 50' Tape
17. Set of Screwdrivers
18. Framing Square
19. Combination Square
20. Wing Divider
21. Keyhole Saw
22. Common Pliers
23. Sliding Tee Bevel Square
24. Center Punch
25. Ripping Bar, 24"

Machinist

1. Tool Box
2. Machinist Handbook
3. Set, Micrometer, 0" to 1"
4. Set, Micrometer, 1" to 2"
5. Calipers - Outside & Inside, 6" & 12" - 1 ea.
6. Dividers, 6" & 12" - 1 ea.
7. Thread Gauge - Small & Large
8. Combination Square
9. 6" Depth Gauge & Angle
10. 6" Steel Rule
11. Center Gauge
12. 12" Surface Gauge
13. Small Bench Level
14. 6' Steel Tape
15. Center Punch
16. Screwdriver, 6" & 10" - 1 ea.
17. Crescent Wrench, 6" & 12" (or Equivalent) - 1 ea.

(Contd.)

MATERIALS (Contn.)

Machinist (Contn.)

18. Small Carbon Stone
19. Ball Peen Hammer
20. Hacksaw
21. Set of Thickness Gauges
22. Small Vee Block
23. Pliers, Gas
24. Pliers, Klien, 8" or Equivalent

Electrician (Bushing Dept.)

1. Screwdriver, 2", 6", 7" - 1 ea.
2. Screwdriver, Phillips, 4", 6", 12" - 1 ea.
3. Sidecutters, 8 1/2"
4. Crescent Wrench, 6", 8", 10", 12" (or Equivalent) - 1 ea.
5. Pliers, Channel Lock, 9" or Equivalent
6. Pliers, Vice Grip, 10" or Equivalent
7. Straight Nose Pliers, 7"
8. Box Wrench, 1/2" to 1"
9. Drift Pins, 1/2" to 3/4"
10. Scratch Awls
11. Offset Screwdriver
12. Punch 6"
13. Micrometer, 1"
14. Set, Sockets Wrenches, 3/8" to 1 1/8"
15. Allen Wrench Set
16. Outside Calipers, 8"
17. Dividers, 12"
18. Cutting Snips Gauge
19. Combination Square
20. Thread Gauge
21. Hammer - Large & Small

Metal Worker

1. Ball Peen Hammer, 16 oz.
2. Ball Peen Hammer, 8 oz.
3. Hammer, Small Cross Peen
4. Hammer, Medium Cross Peen
5. Stanley Handyman Hammer, or equivalent
6. Tinnerns Setting Hammer
7. Hacksaw, 12 inches
8. Kit, Coldchisel & Punches
9. Pliers, 8"
10. Diagonal Cutter

(Contd.)

MATERIALS (Contn.)

Metal Worker (Contn.)

11. 3 Adjustable Wrenches, 6", 10", & 12" - 1 ea.
12. 2 Set, Screwdrivers, 6" & 8" - 1 ea.
13. Tape Rule 12'
14. Rafter Square
15. Square, 24
16. Scribe
17. Combination Square
18. Trammel, 12" to 36"
19. Center Punches, Fine Point and Heavy
20. Klein Cutters or Equivalent
21. Divider, 6" & 12" - 1 ea.
22. Calipers, 8" & 3" - 1 ea.
23. Outside Calipers, 4" and 12"
24. Metal Shears
25. Brass rule, 12" (Inside, Outside)

GARAGE³

Equipment Mechanic

1. Socket Wrench Sets - 1/4", 3/8", and 1/2" Drive Sets with necessary accessories - Standard and Deep Sockets as required through 1 1/4"
2. Set, Wrench, Box and Open End
3. Set, Wrench, Flare Nut
4. Set, Wrench, Tappet
5. 3 Straight Screwdrivers
6. 2 Phillips Head Screwdrivers
7. 1 Clutchhead Screwdrivers
8. Chisel and Punch Set
9. Ignition Tool Set
10. Feeler Gauge Set
11. Spark Plug Gap Gauge
12. Pliers, Gripping
13. Pliers, Vise Grip, or Equivalent
14. Pliers, Water Pump
15. Pliers, Needle Nose
16. 2 Pliers, Snap Ring (1 External & 1 Internal)
17. Diagonal Cutters
18. Hammer, Ball Peen
19. Hammer, Plastic or Soft Tip Type
20. Adjustable Wrenches, 6", 10", 12" (1 each)
21. Hacksaw Frame
22. Allen Wrench Set through 3/8"
23. Brake Service Tools - Adjusting Tools, Brake Spring Pliers, Cylinder Clamps
24. Pry Bar
25. File Assortment Set (Initial Set Only)
26. Circuit and Spark Tester
27. Steel Tape Rule
28. Tool Box or Cabinet
29. 1/2" Drive Standard Sockets (16) 9 mm - 32 mm
30. 1/2" Drive Deep Sockets (5) 14 mm - 27 mm
31. 3/8" Drive Deep Sockets (11) 9 mm - 19 mm
32. 3/8" Drive Deep Sockets (11) 9 mm - 19 mm
33. 1/4" Drive Standard Sockets (9) 4 mm - 14 mm
34. 1/4" Drive Deep Sockets (11) 4 mm - 14 mm
35. Combination End Wrench Set (14) 6 mm - 24 mm
36. Open End Wrench Set (12) 10 mm - 32 mm
37. Ignition Wrench Set (10) 4 x 4.5 mm - 10 x 11 mm
38. Allen Wrench Set (23) Short and Long Arm
39. Feeler Gauge 13 Blade

³LA 87-39

GARAGE (Contn.)

Apprentice Equipment Mechanic

1. Socket Wrench Sets - 1/2" Drive with necessary accessories through 1"
2. Set, Wrench, Box and Open End through 7/8"
3. Chisel and Punch Set
4. 3 Straight Screwdrivers
5. Pliers, Gripping
6. Diagonal Cutter
7. Hammer, Ball Peen
8. Adjustable Wrenches - 6" and 10" (1 ea.)
9. Brake Repair Tools - Adjusters, Brake Spring Pliers
10. Feeler Gauge Set
11. Spark Plug Gap Gauge
12. Tool Box or Cabinet

STEAM GENERATION AND NUCLEAR POWER GENERATION DEPARTMENT

Electrician and Apprentice Electrician*

*The same tool list provided to employees with the Electric Transmission and Distribution Division.

Electrical Machinist and Apprentice Machinist

1. Box, Tool
2. Bar, Pry
3. Bar, Pinch Aligning
4. Calipers, 6" Inside
5. Calipers, 6" Outside
6. Chisel, Cold 3/8" & 5/8" - 1 Ea.
7. Frame, 12" Hacksaw
8. Gauges, Thickness .0015" - .2", 1 Set
9. Gauge, Wire & Drill No. 1260
10. Hammer, Ball Peen
11. Hammers, 12 & 16 oz, 1 Ea.
12. Knife, Electrician's*
13. Knife, Putty
14. Mallet, Rubber/Rawhide
15. Mirror, Inspection
16. Pliers, Channel Lock, 9 1/2" or Equivalent*
17. Pliers, Diagonal 6"*
18. Pliers, Klein (Lineman) 8" or Equivalent*
19. Pliers, Long or Needle Nose - 1 Pair*
20. Pliers, Vice Grip, 1 Pair
21. Stripper, Wire*
22. Plumb Bob
23. Punch, Center, 1/4" & 3/8", 1 Ea.
24. Punch, Drift, 3/16" to 3/8" by 16ths, 1 Set
25. Punch, Pin, 1/16" to 3/8" by 16ths, 1 Set
26. Retriever, Flexible, Magnetic
27. Rule, 6" Steel
28. Rule, 12" Steel
29. Rule, Wooden 6'*
30. Scale, 12" & Crosshead
31. Scraper, Bearin
32. Screwdrivers, 4", 6", 10", 12", 1 Ea.*
33. Screwdrivers, Offset, 1 Set
34. Screwdrivers, Phillips Head, 1 Set
35. Screwdrivers, Quick, Wedge, Small, Medium & Large, 1 Set
36. Screwdriver, Stubby, Small and Large, 1 Set
37. Scribe
38. Snips, Tin, 1 Pair

(Contd.)

*Items to be supplied by Apprentice Electrical Machinist during first 3 months in classification.

STEAM GENERATION AND NUCLEAR POWER GENERATION (Contn.)

**Electrical Machinist
and
Apprentice Machinist (Contn.)**

- 39. Sockets, 1/2" Drive, Set, Deep
- 40. Square, Combination Center Head and Protractor, 12"
- 41. Tweezers, Heavy Duty
- 42. Wrenches, Allen Key, Short Arm, .05" - 5/8", 1 Set
- 43. Wrenches, Allen Key, Long Arm, 5/64" - 3/8", 1 Set
- 44. Wrenches, Box End, 3/8" - 7/8" by 16ths, 1 Set
- 45. Wrenches, Crescent, 4", 6", 8", 10", 12", or Equivalent, 1 Ea.*
- 46. Wrenches, Open End, 3/8" to 7/8" by 16ths, 1 Set
- 47. Wrench, Pipe, 12" - 14", 1 Ea.
- 48. Spintight Nut Drivers, Deep Hollow Shank, 1 Set
- 49. Level, Torpedo, 9"
- 50. Micrometer, Outside, 0 - 1, & 1 - 2, 1 Ea.
- 51. Micrometer, Inside, 2" & 8", 1 Ea.
- 52. Gauge, Thread Pitch
- 53. Machinists Manual
- 54. Wedges, Parting

*Items to be supplied by Apprentice Electrical Machinist during first 3 months in classification.

