

DEPARTMENT 23
ELECTRICITY

(Diane Neff 887-8355 and Anne Oelke 326-3875 Superintendents)

- Exhibitor may enter **ONE** Class only. Project enrolled in.
- Diagrams and directions for many articles are found in the appropriate 4-H member/leader literature
- All articles are to be made by member except those in a display
- **Attach 3 x 5 card explaining what you did and how it works, except for Electricity Posters, Scrapbooks or Displays**
- All **displays** must be mounted on a sturdy base, be movable as a single unit, and must be self supporting.

CLASS A - "Magic of Electricity"

- Open to youth enrolled in "**Magic of Electricity**" project or other youth groups doing equivalent work
- 1. Simple switch using a battery mounted on a board
- 2. A circuit board (series or parallel, *indicate which*) no larger than 6x8" using a dry cell battery mounted on a board
- 3. A simple electric magnet mounted on a board
- 4. Question board using a dry cell battery
- 5. Any Other Item pertaining to project
- 6. Display
- 7. Scrapbook
- 8. Poster

Premiums - Danish Judging \$2.00 \$1.75 \$1.50 \$1.25

CLASS B - "Investigating Electricity"

- Open to youth enrolled in "**Investigating Electricity**" project or other youth groups doing equivalent work
- 1. Momentary Switch mounted on a board
- 2. Three or Four-Way Switch mounted on a board
- 3. Rocket Launcher
- 4. Alarm mounted on a board
- 5. Display of Wire Connections
- 6. Any Other Item pertaining to project
- 7. Display
- 8. Scrapbook
- 9. Poster

Premiums - Danish Judging \$2.50 \$2.25 \$2.00 \$1.75

CLASS C - "Wired for Power"

- Open to youth enrolled in "**Wired for Power**" project or other youth groups doing equivalent work
- 1. Display showing types of fuses
- 2. Display of electric cords, wires, cables showing appropriate uses
- 3. Display of electrical plugs showing appropriate uses
- 4. Homemade lamp or lighting unit
- 5. Demonstration board with 3-way or 4 way switches
- 6. Trouble light
- 7. Light duty extension cord, new or repaired
- 8. Heavy duty extension cord with 3 prong plug, new or repaired
- 9. Any other repaired electrical item (*include statement of repairs made*)
- 10. Any other piece of homemade electrical equipment
- 11. Any other item pertaining to the project
- 12. Wiring layout of a room, home or other building
- 13. Display of different types of conduit explaining how each is used
- 14. Display
- 15. Scrapbook
- 16. Poster

Premiums - Danish Judging \$2.50 \$2.25 \$2.00 \$1.75

CLASS D - Entering Electronics

- Open to youth enrolled in "**Entering Electronics**" project or other youth groups doing equivalent work
- 1. Any piece of homemade electronic equipment
- 2. Display or plan of an electrical control system
- 3. Any piece of homemade electrical equipment
- 4. Diagram/photos of electrical/electronic item made by member
- 5. Poster (14x22 inches)
- 6. Scrapbook
- 7. Display
- 8. Any other item pertaining to project

Premiums - Danish Judging \$3.00 \$2.75 \$2.50 \$2.25