

# INDUSTRIAL EDUCATION

ENTER ONLINE: <http://cmsf.fairmanager.com> BY: TUESDAY, JUNE 12, 2018

ENTRIES RECEIVED - MONDAY, JULY 9, 2018, 9:00 am to 4:00 pm

ENTRIES RELEASED: MONDAY, JULY 30, 2018, 9:00 am to 4:00 pm

Entry Fees for specific items

## Award Donors:

(Awards allocated at Judge's Discretion)

Advancement for Youth in the Industrial Arts

AirGas

BHE Renewables

Bow Valley Agri-land Services - Atascadero

Central Coast Barns & Buildings

Coast Pipe

JMR Manufacturing - Creston

Joel and Debbie Twisselman - Carrisa Plains

La Panza Ranch

Lowes

Madalene Farris - San Luis Obispo

R. Franklin Farming Co.

## GENERAL RULES

1. All entries are to be entered on-line.
2. **\*NEW Max of Two (2) Photos for Divisions 506-510 are required to be uploaded during online registration.**
3. Limited to high school students in San Luis Obispo County.
4. Only articles constructed/fabricated under the supervision of an industrial & technology education teacher will be accepted.
5. Entry limitations are listed at the beginning of each division. No entry may be entered in more than one (1) class. Entry must have been completed within the last year and has not been exhibited at the California Mid-State Fair in the past. All entries must be complete and contain all necessary components.
6. Display cards must be filled out and attached to each entry in this department correctly labeling the exhibit.
7. All weld coupons should be minimum 4". Beginning and end of each pass should be visible. Welds can be done using E6010, E6011, E6013, E7018, and E7024 electrodes.
8. All weld coupons should be marked with AWS standards as to electrode used and positions.
9. The Fair Management reserves the right to limit entries to facilities available.
10. All precautions will be taken to protect entries; however, the California Mid-State Fair will not be responsible for loss or damage of entries submitted to this exhibition. Submitting work to this competition implies agreement on the part of the exhibitor to conditions set forth above.
11. All entries will remain on display for the duration of the Fair. All exhibits not claimed by 4:00 pm, Monday, July 30, 2018, will become the property of the California Mid-State Fair.
12. Auction items will be pre-judged upon arrival to evaluate completeness and quality for eligibility. All others will be placed in display classes.

## BASIC WELDING

Basic Welding Sweepstakes Award

Sponsored by JMR Manufacturing, Creston

Danish System of Judging

Ribbons 1st - 3rd

Premiums Offered per Class		
1st	2nd	3rd
\$5	\$4	\$3

Division 500-504 entries limited to one (1) per class

NO ENTRY FEE

### DIVISION 500 - ACETYLENE WELDING

Class

1. Brazing Lap Joint
2. Brazing Fillet Weld
3. Brazing Pipe or Square Tubing to Flat
4. Butt Weld
5. Corner Weld
6. Fillet Weld
7. Lap Weld
8. Pipe or Square Tube to Flat

### DIVISION 501 - ARC (STICK) WELDING

Class

Class

1. Any One Horizontal Weld
2. Pipe to Flat
3. Any One Vertical Weld
4. Bead Pad, 4" Square
5. Corner Weld
6. Lap Weld
7. Pipe Butt Joint
8. Pipe T-Joint
9. Single Pass T-Fillet
10. Square Butt Weld
11. Three Pass Fillet
12. V-Butt Weld (100% Penetration)

**DIVISION 502 - METALLIC INERT GAS (M.I.G.)**

**Class**

1. Corner Weld
2. Fillet Weld
3. Lap Weld
4. Square Butt Weld
5. Pipe, Square or Rectangular Tube to Plate

5. Sheet Metal - To Include but Not Limited To: Small Boxes, Dust Pans, Funnels, Feed Scoops, Etc.
6. Welding & Forging - To Include but Not Limited To: Chisels, Hay Hooks, Post Drivers, Tools, Etc.
7. Welding/Sheet Metal Projects - Using Computer Aided Equipment
8. Welded/Sheet Metal
9. Woodworking - To Include but Not Limited To: Folding Footstool, Planter, Show Stick, Cutting Board Etc.
10. Any Other Like Item

**DIVISION 503 - TUNGSTEN INERT GAS (T.I.G.)**

**Class**

1. Corner Weld - Steel
2. T-Fillet Weld - Steel
3. Lap Weld - Steel
4. Butt Weld - Steel
5. Corner Weld - Aluminum
6. T-Fillet - Aluminum
7. Lap Weld - Aluminum
8. Butt Weld - Aluminum
9. Corner Weld - Stainless
10. T-Fillet - Stainless
11. Lap Weld - Stainless
12. Butt Weld - Stainless

**\*NEW Max of Two (2) Photos for Divisions 506 – 510 are required to be uploaded during registration.**

Email [exhibits@midstatefair.com](mailto:exhibits@midstatefair.com) with any questions

Ribbons 1st - 3rd		
Premiums Offered per Class		
1st	2nd	3rd
\$10	\$8	\$6

**DIVISION 504 - INNERSHIELD WELDING**

**Class**

1. Corner Weld
2. T-Fillet Weld
3. Lap Weld
4. Square Butt Weld
5. V-Butt Weld
6. Any One Vertical Weld
7. Any One Horizontal Weld

**DIVISION 506 - MEDIUM PROJECTS**  
ENTRY FEE \$3.00

**Class**

1. Welding - To Include but Not Limited To: Barbecues, Carts, Pickup Guards, Etc.
2. Sheet Metal - To Include but Not Limited To: Tool Box, Cabinets, Shelving, Etc.
3. Welding/Sheet Metal Projects - Using Computer Aided Equipment
4. Woodworking - To Include but Not Limited To: Grain Feeder, Farm Gate, Ladder, Saw Horse, Small Clocks, Small Shelves, Etc.
5. Electrical - Projects Involving but Not Limited To: Wiring, Circuits, Lighting, Alternative Energy, Etc.
6. Any Other Like Item

**FABRICATED PROJECTS**

**Industrial Arts Sweepstakes Award**

Sponsored by: Nola & Darrell Twisselman - Carrisa Plains  
Special Award - Junk - A - New Best project made out of at least 80% recycled Materials.

**Division 505-506 entries limited to two (2) per class**

Ribbons 1st - 3rd		
Premiums Offered per Class		
1st	2nd	3rd
\$5	\$4	\$3

Ribbons 1st - 3rd		
Premiums Offered per Class		
1st	2nd	3rd
\$15	\$11	\$9

**DIVISION 505 - SMALL PROJECTS**  
ENTRY FEE \$3.00

**Class**

1. Cold Metal - To Include but Not Limited To: Battery Cable Pullers, Bolts, Etc.
2. Electrical - To Include but Not Limited To: Extension Cords, Electrical Repairs, Wiring Circuits, Display Board, Alternative Energy, Etc.
3. Rope Work - To Include but Not Limited To: Adjustable Halter, Etc.
4. Rope Work/Knots - To Include but Not Limited To: Bowline, Sheep Shank, Backsplice, Etc.

**DIVISION 507 - LARGE TYPE I PROJECTS**  
ENTRY FEE \$7.00

**Class**

1. Welding - To Include but Not Limited To: Utility Racks, Large Hay Feeder, Shop Table, Etc.
2. Sheet Metal - To Include but Not Limited To: Pickup Tool Box, Large Cabinets, Etc.
3. Woodworking - To Include but Not Limited To: Hay Feeder, Shop Bench, Wine Rack, Mirror Etc.
4. Any Other Like Item

Ribbons 1st - 3rd

Premiums Offered per Class		
1st	2nd	3rd
\$20	\$15	\$12

**DIVISION 508 - LARGE TYPE II PROJECTS**  
ENTRY FEE \$7.00

- Class
1. Welding - To include but not limited to: Small Trailer, Portable Loading Chute, Etc.
  2. Woodworking - To include but not limited to: Outdoor Furniture, Picnic Table, Porch Swing, Glider, Adirondack set, Trellis, Etc.

Ribbons 1st - 3rd

Premiums Offered per Class		
1st	2nd	3rd
\$40	\$30	\$20

**DIVISION 509 - LARGE TYPE III PROJECTS**  
ENTRY FEE \$7.00

- Class
1. Welding - To include but not limited to: Two - Axle Trailer, Etc.
  2. Woodworking - To include but not limited to: Large Indoor Furniture, Coffee Table, Cabinetry, Hall Tree, Entertainment Center, Etc.

**INDUSTRIAL EDUCATION**  
**PROJECT AUCTION**

THURSDAY, JULY 19, 2018, 1:30 pm - 4:00 pm

ENTRIES RELEASED:  
MONDAY, JULY 30, 2018, 9:00 am to 4:00 pm

Only first and second place projects will participate in the auction. The exhibitor must accompany their project through the auction. All entries will remain on exhibit through the duration of the Fair. All entries must be complete and contain all necessary components to be eligible to sell. No kits. A materials list and cost break down sheet must accompany entries. All appropriate finishes required (no bare metal). The Fair reserves the right to limit the number of auction items at 60.

Fair will retain 7.25% commission from all auction items.  
Livestock auction rules apply.

Danish System of Judging  
**No Premiums**

**DIVISION 510 - INDUSTRIAL EDUCATION AUCTION**

- Class
1. Metal Projects
  2. Wood Projects
  3. Combination

**DRAFTING**

ENTRY FEE \$3.00

Best of Show Award – BHE Renewables

Ribbons 1st - 3rd

Premiums Offered per Class		
1st	2nd	3rd
\$5	\$4	\$3

Division 511-512 entries limited to two (2) per class  
Entries to be submitted on "A" size paper with one entry allowed per exhibitor on "B" size (11X17) paper.  
Only unmounted drawings will be accepted.

**DRAFTING SWEEPSTAKES AWARDS**

**DIVISION 511 - MANUAL DRAFTING**

- Class
1. Architecture/ Floor Plan
  2. Architecture/ Elevation
  3. Mechanical
  4. Electrical/Electronic

**DIVISION 512 - COMPUTER AIDED DRAFTING (CAD)**

- Class
1. Architecture/ Floor Plan
  2. Architecture/ Elevation
  3. Mechanical
  4. Electrical/Electronic

**DIVISION 513 - OLÉ, IT'S FIESTA TIME!**

NO ENTRY FEE

Best use of Fair theme using wood, metal or combination incorporating industrial arts flare.

- Class
1. Best Theme Entry

**DIVISION 514 - SCHOOL GROUP**

NO ENTRY FEE, NO PREMIUMS

Ribbons 1st – 5th

There shall be five (5) entries preselected by advisor, prior to judging. Entries can be selected from small, medium, or large wood, metal or combination classes. No more than two entries by any one exhibitor. Limited to one group per school.

- Class
1. School Group



# JB DEWAR TRACTOR RESTORATION 2018 Competitors

**Find It! Fix It! Win \$2,500!**

Tractors will be on display at the California Mid-State Fair. Winners announced July 19th on Cattlemen & Farmers Day. For more information or to participate in the 2018 JB Dewar Tractor Restoration Competition contact JB Dewar, Inc. at (800) 549-6457.

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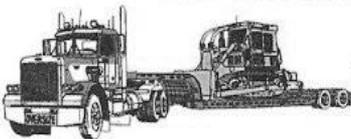
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