

HELP WANTED

1335 Other Employment

55 or older and need work? Experience Works, formerly Green Thumb and a SD Dept of Labor program, has PAID Training and Work opportunities in your area. 1-800-450-5627: EOE/AA

1815 Miscellaneous

MASABA
MINING EQUIPMENT
currently has several openings for
WELDERS/FABRICATORS

- 2-years minimum experience
- Excellent attendance history required

Apply online at
www.masabainc.com
or in person at
1617 317th St., Vermillion, SD

1335 Other Employment

AIRLINES ARE HIRING - Train for high paying Aviation Maintenance Career. FAA approved program. Financial aid if qualified - Housing available. CALL Aviation Institute of Maintenance (866) 231-7177 (MCN)

1335 Other Employment

Auto Mechanic Experience Preferred. Insurance/Full Benefits. See Doug or Bob TMA, 2101 North Broadway Yankton, SD. (605)665-2552. Apply in Person.

DIRECTV FREE Standard Installation! FREE SHOWTIME & STARZ (3 mo! FREE HD/DVR Upgrade! Ends 7/14/10. New Customers Only. Qual. Pkgs. From \$29.99/mo. DirectStarTV 1-866-611-6271. (MCN)

Floral Manager Full or Part-time. Experience needed. Call People's Floral at (402)388-2345 Crofton, NE.

Local Truck Driver home every night. Must have CDL, benefits. Also General Shop Laborer with benefits. Jerry's Service, Hartington, NE. (402)254-6546.

TRUCK DRIVERS WANTED - Best Pay and Home Time! Apply Online Today over 750 Companies! One Application, Hundreds of Offers! <http://hammerlanejobs.com> (MCN)

Cars And Chemistry

BY TOM AND RAY
MAGLIOZZI

Dear Tom and Ray:
I've heard that each gallon of gas burned by a car releases about 20 pounds of CO₂ into the atmosphere. I'm not a chemist, but even allowing for some creative reactions and recombinations going on, how does combusting about six and a half pounds of fuel turn into 20 pounds of CO₂? I can't quite get the math to add up. What am I missing?

– Mike
TOM: You're missing the oxygen, Mike. The ideal air-to-fuel ratio in a car is 14.7-to-1. So to combust a pound of fuel, you need to combine it with almost 15 pounds of air.

RAY: That means in order to combust a gallon of gasoline – which weighs



CLICK & CLACK

about six and a half pounds – you'd combine it with almost 100 pounds of air! So, you can see quickly how you can end up with 20 pounds of a single byproduct.

TOM: During combustion, a bunch of the carbon molecules (C) in the gasoline attach to two oxygen molecules (O) from the air, and come out the tailpipe

as CO₂. And CO₂ – one carbon and two oxygen molecules – weighs about three times as much as the carbon molecule you started with.

RAY: Burning gasoline is a complex equation. You end up with all kinds of byproducts, including CO, H₂O, HBO,

Cinemax, Flamax, etc. But the way you get 20 pounds of CO₂ from six and a half pounds of gas is by combining the gas with a heap of oxygen during the combustion process.

Got a question about cars? Write to Click and Clack in care of this newspaper, or e-mail them by visiting the Car Talk Web site at www.cartalk.com.

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*Excludes Electrolux, Jenn-Air®, Dacor, sewing machines, countertop microwaves, water heaters, air conditioners, humidifiers, dehumidifiers, bags, belts, filters, carpet cleaning chemicals, accessories, closets and Everyday Great Price items. Offer good thru 5/27/10.

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OR FREE STANDARD DELIVERY
on any tractor over \$1299 Offer good thru 5/23/10.
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**LARGE MACHINERY
AUCTION REMINDER**

Orel Farms, Inc. – 27250 328th Ave. – Hamill, SD
Thursday, May 27, 2010 – 10:30 A.M.

Location: Auction will be held at the Orel Farms, Inc., located from Winner, SD – on Hwy. 44 East 7.5 miles, on Hwy. 49 North 2 miles, on 275 St. East 3 miles, on 327 Ave. North 2 miles, on 275 St. East 1 mile, on 328 Ave., North .5 mile. See map at www.sdauctions.com. Auction arrows will mark the route.

For More Information Call Brad or Elaine Boes 605-842-2886 or 605-840-1867 or Joel Gilchrist 605-840-2232.

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This sale conducted by: **DAN CLARK AUCTION SALES** Winner, SD
Real Estate & Personal Property Auctioneer: Dan Clark: 605-842-1150
Personal Property Auctioneer: Brad Gran: 605-879-2494