



Summer Newsletter 2009



www.automata-inc.com



OUR NEW LOCATION

138 New Mohawk Road
Suite 151
Nevada City, CA 95959-3248

E-mail: sales@automata-inc.com
Phone (800) 994-0380 or
(530) 478-5882
FAX (530) 478-5881

Order Desk Ext. 212
Sales: Ext. 213 / 216
Engineering: Ext. 216
Tech Support (hardware): Ext. 218,
Ext. 229
Tech Support (software) Ext. 219
Accounting: Ext. 210

Office Hours:
Monday-Friday 8:00 am - 4:00 pm

Tradeshows & Events

The upcoming trade shows listed below are a great opportunity for you to see our products for yourself. An Automata representative will be at each of these shows demonstrating the latest in environmental monitoring and controls. If you would like more details about these upcoming shows, please let me know and I would be glad to help you. Hope to see you there!

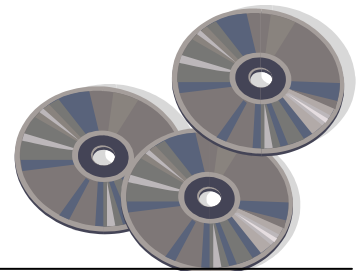
October 12-14, 2009 - WEFTEC - Orlando, FL
www.weftec.com

December 2-4, 2009 - IA Show - San Antonio, TX
www.irrigation.org

January 26-28, 2010 - Unified Wine Grape Symposium,
Sacramento, CA
www.unifiedsymposium.org

February 9-11, 2010 - World Ag Show - Tulare, CA
www.worldagexpo.com

Catalog CD and Binders are available upon request. If you are interested in receiving a CD and/or Binder, please Email marsha@automata-inc.com or Call 530-478-5882 and we will be glad to get that right out to you.



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Introducing Society for the Conservation of Big Horn Sheep Remote Monitoring

In the last year more and more attention has been paid to economical ways of saving water, labor, energy, etc and the Society for the Conservation of Big Horn Sheep has done more than just pay attention. They have utilized technology that saves them labor, as well as the well being of the sheep, by monitoring remote water sources in the comfort of their home office. As we all may know big horn sheep is an animal that lives in very remote areas and relies on those water sources for their well being. Reaching these water sources can take several driving hours as well as 2 hours of hiking time. "Failure of artificial water systems can lead to death of sheep and negative publicity. Some systems typically run dry at least once per year. Reasons may be unknown, but are speculated to be high usage, leaky plumbing, inefficient collection, rain shadows," states Steve Marschke, President of the Society for the Conservation of Big Horn Sheep. Marschke goes on to say "Remote monitoring can be used to predict dry water systems with minimum inconvenience, allowing scheduling refilling. Remote locations typically require extensive travel time, this is made more effective by monitoring these locations via remote monitoring. Remote monitoring may identify why these locations run dry (i.e. high usage, leaks, inefficient collection) and when." If you would like to read more about the presentation done by Steve Marschke, please email me at marsha@automata-inc.com or contact John Carnakis, scbs1@sbcglobal.net and we would be glad to send you a copy of the presentation.



SCBS
PO Box 94182
Pasadena, CA 91109-4182
(310) 339-4677

or

John Carnakis
22921 Homestead Way
Tehachapi, CA 93561
(661) 821-2067



Remote Monitoring for Stock Tanks

Water developments in the intermountain west provide one of the most effective means of managing livestock distribution and forage utilization. Ranches are often large, covering many square miles, involving multiple herds. Water checks can involve driving 20 to 100 miles per trip. Ranchers are challenged with assuring water is available to livestock while trying to manage multiple activities each day. Labor resources, cost of fuel, vehicle maintenance and time require the rancher to make choices about daily workloads and priorities.

Remote sensing provides a way to monitor stock water supplies, without extensive travel, time, and cost. Remote sensing involved the collection of information using sensors and data loggers. Once the information is collected, the information has to be transferred in a manner which is usable to the rancher. Communication technology available today includes cell phones, spread spectrum radio (ground based radio) and satellite. Once the information is transferred it needs to be displayed in a manner that the user can make use of the information. Internet services, spreadsheets and graphing opportunities are methods to display data.



Partners in this project were:

OSU Crook County Extension Service
Tim Deboodt
498 SE Lynn Blvd.
Prineville, OR 97754
541-447-6228
tim.deboodt@oregonstate.edu

Agsys Northwest
Mike Omeg & Mike Land
912 E 10th St.
The Dalles, OR 97058
541-288-7253
mike@omegorchards.com

Automata Inc.
Lenny Feuer
138 New Mohawk Rd
Nevada City, CA 95959-3248
530-478-5882
marsha@automata-inc.com



**138 New Mohawk Rd Ste 151
Nevada City, CA 95959-3248**

Marsha Morris, Editor
Phone: 530-478-5882 EXT 213
Fax: 530-478-5881
www.automata-inc.com

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Permit #68

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Melding Spread Spectrum Radio with Satellite Telemetry

Ever wished you could have Spread Spectrum Radio and Satellite Radio all at once? Spread Spectrum Units to monitor a couple of sensor and then report back to a Satellite Unit? We feel we have done just that by melding Spread Spectrum Radio and Satellite Telemetry together. Using a 'MINI-Bridge Kit' on the user's MINI-SAT™ Field Station allows the MICRO MINI-SS Field Station (s) to report back to the 'MINI-Bridge Kit' and then through the MINI-SAT™ where the user can get the data through the internet. This can be an affordable way of getting your data out and available to the necessary people. At Automata, Inc. we strive to make our customer's needs our first priority and if you are interested in a quote for an upcoming project, please give us a call and we would be happy to help.

Marsha Morris
marsha@automata-inc.com
530-478-5882 ext. 213

Important Websites

[Http://www.epa.gov/watersense](http://www.epa.gov/watersense)—Information on water efficiency
www.automata-inc.com—To view demo units of MINI-SAT™ Data