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**2010 AWARD BANQUET**  
**Membership Luncheon Meeting**

Be sure to attend for the results of the 2010 Chapter Awards.

**WHEN:** December 7, 2010  
**TIME:** 11:30 AM to 1:00 PM

**WHERE:** Black Canyon Conference Center  
9440 North 25<sup>th</sup> Avenue  
Phoenix, AZ 85021  
Phone 602-944-0569

**MENU:** Baked stuffed breast of chicken with mushroom duxelles on roasted garlic cream sauce and Grilled pork loin chops with apple pecan Calvados sauce

**COST:** \$20.00

Reservation **MUST** be received on or before  
5:00 PM on November 30, 2010.

[http://www.irwachapter28.org/  
chapter\\_luncheons\\_rsvp.asp?date=12/07/2010](http://www.irwachapter28.org/chapter_luncheons_rsvp.asp?date=12/07/2010)

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## A Word From Our President ...

**Karen L. Williams, SR/WA**

I look forward to seeing you at our Awards Banquet on December 7 when we celebrate each other, as well as give special recognition to those that have gone above and beyond for our chapter and the organization.

Happy Holidays to all of you and your families.  
May this season bring you peace and joy to last throughout the year.

## And Our 1-Year International Director ...

**Kathie Sholly, SR/WA, R/W-AMC**

A quick question ...

I am not writing an editorial this month. But I do want to ask a favor of you.

After reading in the November-December issue of Right of Way Magazine that the new IRWA website has been simplified to provide just the information we IRWA members need, I gave it another test drive. This time, I checked out “Industry News” from the “News & Events” section. I was excited about the prospect of simply clicking on, say, Relocation or Asset Management and getting “articles from more than 40,000 sources world-wide” that are updated daily, but that are specific to the right of way profession – something already pared down for me.

I did my test drive on Wednesday, November 24, 2010. I selected Relocation. One of the multiple resulting articles included: 11/17/2010 [Business owner catches burglar](#). I am not sure how this article from the Herald Citizen in Cookeville TN relates to me as a Relocation Agent.

I tried again, this time selecting Asset Management. Again, a solid page of possible articles was presented to me, virtually all dated 11/17 and 11/18 (so, within a week of being “news”). One of the links was: 11/18/2010 [Scalable Releases Asset Vision](#). Hmm. A company named “Scalable” has apparently developed new software for managing IT Assets – something called a SaaS tool to be built upon its PaaS tool. Not quite the asset management I had expected and not much help to me as an Asset Manager.

Is it just me, or is this not much different than the results I’d get from Dogpile or Google or Yahoo if I only entered minimal search terms?

Seriously, I’d like to hear what you think. Are the “High Tech” promises of International’s website delivering what you need? If not, then **what can we do on the chapter level to help** you get what you need?

# Latitude & Longitude – Practical Relationships

James “Mike” Hart, PLS, CFedS

Towill, Inc. [mike.hart@towill.com](mailto:mike.hart@towill.com)

IRWA Ch. 11 Surveying & Engineering Committee Chair  
Region 1 Representative to ISEC



With the ready availability of inexpensive and reasonably accurate Global Positioning System (GPS) receivers, it seems that everyone is getting in on the act of using GPS for many things. Many people have vehicle navigations systems in their cars and on their phones that guide them to destinations very quickly and accurately. Right of Way (ROW) professionals are using recreational grade, handheld GPS receivers in increasing numbers. There are a wide variety of manufacturers offering

rugged handheld GPS units for under \$200 that, in addition to being able to provide navigation on background maps, provide very accurate positions on the face of the Earth. All basic units will display position on the Earth’s surface in terms of geographic coordinates – Latitude and Longitude.

Latitude is the angular distance north or south of the equator as measured from the center of the earth with the equator having a Latitude of  $0^\circ$  and the North and South Poles having a latitude of  $+90^\circ$  and  $-90^\circ$ , respectively. The latitude of San Diego, for example, is approximately  $32.7152778^\circ$  North (of the Equator).

Longitude is the angular distance measured from the center of the earth and east or west of the Greenwich Meridian that passes from the North Pole, through the Royal Observatory in Greenwich England, to the South Pole. The Greenwich meridian has a longitude of  $0^\circ$ . The longitude of San Diego is approximately  $117.0405556^\circ$  West (of the Greenwich Meridian).

Recreational grade GPS receivers can output the Latitude/Longitude (Lat/Lon) position in a variety of formats: degree decimal (DDD.dddd), degrees and decimal minutes (DM.mmmm), or degrees-minutes-seconds (D-M-S).

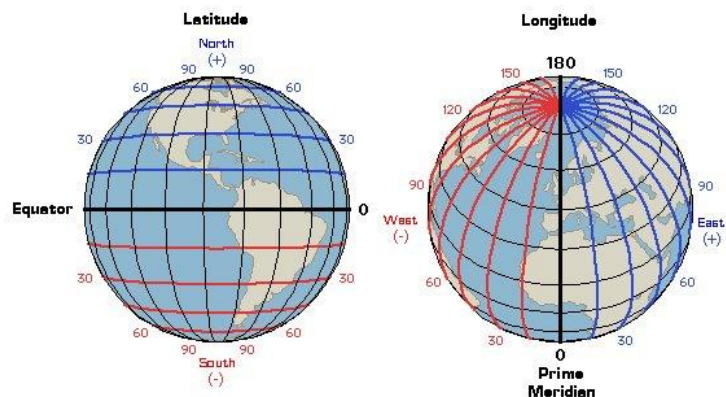
The Lat/Lon of San Diego, for example, expressed in the various formats is as follows:

DDD.dddd = N32.7152778°/

W117.0405556°

DM.mmm = N32°42.9167’/ W117°02.4333’

D-M-S = N32°42’55’’/ W117°02’26’’



What do these various units actually equate to distances in feet on the ground?

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To advance in my career,  
does it matter with whom I associate?

**Absolutely!**

For 76 years, the IRWA has been setting the standard in education for the Right of Way profession. With chapters throughout the U.S. & Canada, and a growing list of online courses, preparing yourself for a career in Right of Way is convenient and at your fingertips.

Demonstrate your commitment to success and uncompromising professionalism by earning your Certification in 6 Right of Way disciplines;

**Appraisal; Asset (Property) Management; Environmental;**

**Negotiation/ Acquisition and Relocation Assistance,**

our new **Uniform Relocation Act**, and the prestigious **SR/WA designation** (Senior Right of Way Professional).

Learn. Lead. Advance.

Become a member today by visiting [www.irwaonline.org](http://www.irwaonline.org) or by calling **1-310-538-0233 ext. 134.**

Membership stuff -

IRWA 2010 memberships expire on December 31st, but there is still plenty of time to renew for 2011.

The IRWA will be offering, for all New Members Only, International membership for only \$170.00. Annual membership with the IRWA is regularly \$220.00 but from now to December 31, 2010, you can join for only \$170.00. That's a 23% savings on the regular annual membership rate for 2011 and you receive membership for the remainder of 2010! This does not include the \$10 chapter fee and this is not available online only. Contact your membership chair for a special application.

Thank You,  
Kristina Guzman

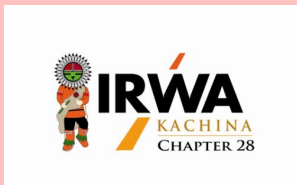
The following were winners of the Chapter sponsored course certificates in November.

**Susie Beall, APS**

**Don Solon, ASL**

**Aaron Dick, SRP**

**CONGRATULATIONS!!!**



## **IRWA EDUCATION CALENDAR**

### **2011 COURSE SCHEDULE**

*(All courses subject to change.)*

January - SR/WA Review Month

SR/WA : SR/WA Review Study Session - Francy - 1/(tba)

March - Property/Asset Management Month

703 : Real Property/Asset Management - Amos - 3/28

701 : Property/Asset Management: Leasing - Sholly - 3/29 & 3/30

May - Real Estate Law Month

800 : Principles of Real Estate Law - Guzman - 5/(tba)

801 : United States Land Titles - 5/(tba)

July - Engineering Month

900 : Principles of Real Estate Engineering - 7/(tba)

901 : Engineering Plan Development & Application - 7/(tba)

September - Education Seminar Month

600 : Environmental Awareness - 9/(tba)

802 : Legal Aspects of Easements - 9/(tba)

November - Communications Month

200 : Principles of Real Estate Negotiations - 11/(tba)

205 : Bargaining Negotiations - 11/(tba)

**TO LEARN MORE OR SIGN UP,  
GO TO:  
[WWW.IRWACHAPTER28.ORG](http://WWW.IRWACHAPTER28.ORG)**

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The length of one degree of latitude is the same all over the Earth – approximately 69 miles. Therefore, one minute of latitude equals approximately 1.15 miles (6081 feet) and one second of latitude equals approximately 0.02 miles (101 feet). At the equator, one degree of longitude equals the same distance as a degree of latitude but that distance decreases as one progresses north or south away from the equator with the distance being zero at each pole.



At the latitude of San Diego, one degree of longitude equals about 58 miles (as opposed to 69 miles at the equator), one minute of longitude equals about 0.97 miles (or 5116 feet – as opposed to 6081 feet at the equator), and one second of longitude equals about 85 feet (as opposed to 101 feet at the equator).

Note that the distances and relationships presented are approximate only. Hopefully this will help broaden your understanding of what the GPS unit is telling you when working in geographic coordinates. Subsequent articles will address other aspects of GPS that should prove useful to the ROW professional that uses GPS.

## **JOB POSTING**

Perches Land Services, Inc. is seeking to fill an experienced Relocation Agent position in the Phoenix AZ area. The Relocation Agent will need to be able to perform all aspects of the Relocation process implementing the "Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 as Amended" (URA).

### **Required Skills:**

Agent must possess solid relocation, organizational, and computer skills (MS Word, Excel, and Outlook). Candidate must be able to work with minimal supervision within a team to accomplish organization goals, be an effective communicator, and have strong organization and time management skills with the ability to meet priorities and deadlines.

### **Compensation:**

Salary is commensurate with experience and qualifications. Perches Land Services, Inc. is an EEO employer. R/W-RAC a plus.

If interested, please contact:

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