OCS exploring new service to Three Rivers
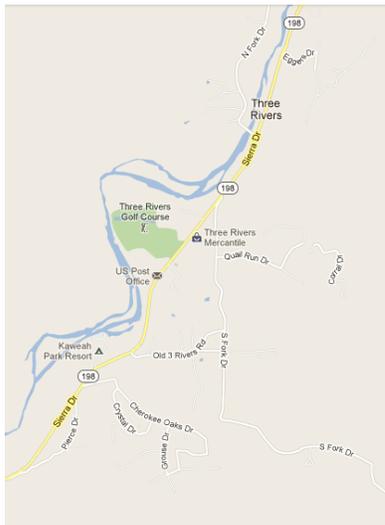
Ever since we introduced high-speed wireless in the late 1990s, we've been interested in providing service into the Three Rivers area as a natural extension to our other foothill communities.

However, the natural topography of the Three Rivers area is much different, and its many narrow, winding canyons present considerable challenges to reliable wireless signal propagation.

Until now, wireless technology was unavailable to meet those challenges. However, with the pending release of the Television White Spaces (TWWS) that were previously used by analog VHF and UHF television broadcasting, these challenges may at last be overcome.

As we announced in our December 2011 newsletter, OCS will be first in the area to begin testing this emerging national (even global) technology. Among its many advantages are longer ranges of coverage, higher speeds, and an increased ability to penetrate foliage and other obstacles. Additionally, TWWS signal can "bend and flow" over and around hilly terrain, which should be well suited to the Three Rivers area.

Deployment of OCS TWWS equipment is expected to begin later this spring, and permanent FCC licensing may be granted by summer (*unless Congress gets in the way, see story on Page Two*).

In the meantime, after meeting with the local Broadband Steering Committee in Three Rivers, we have begun to conduct surveys of the area – reviewing terrain maps, identifying possible tower locations, and plotting the locations of potential customers who have already expressed interest.

If you have an interest in the Three Rivers area, or know someone else who may, please contact our office.

MORE THAN 606 MILLION VIRUSES, SPAM, AND PHISHING ATTEMPTS HAVE BEEN STOPPED BY THE OCS CENTRAL SYSTEM CALL US ABOUT OCS OFFICE SCAN!

OCS celebrates 30 years

Olson Computer Services was started in a spare bedroom office in early 1982, marking 2012 as our 30th year in continuous operation.

The personal computer industry in 1982 was barely in its infancy. The IBM-PC had just been introduced, and the DOS operating system was still a newcomer compared to the more established CP/M and others. Neither Windows nor the Macintosh had even been imagined.

Much has changed in the many years since then. We are thankful for our success, and we are grateful for our many loyal customers … we wouldn't be here without you.

Fan Mail
Your technicians are great! Thanks again for moving your service from our old house to our new home. -SS

Work from home !
OCS can connect your home to your office or tie multiple offices together at high speed and with full VPN security, anywhere in the Valley or beyond ...

The OCS home page has received more than 15.7 million hits – contact us for local advertising information!

OCS service plans are described at www.porterville.com

Internet Plans and Pricing

Call *about* **eCommerce!**

Need qualified computer or network maintenance? Give us a call!
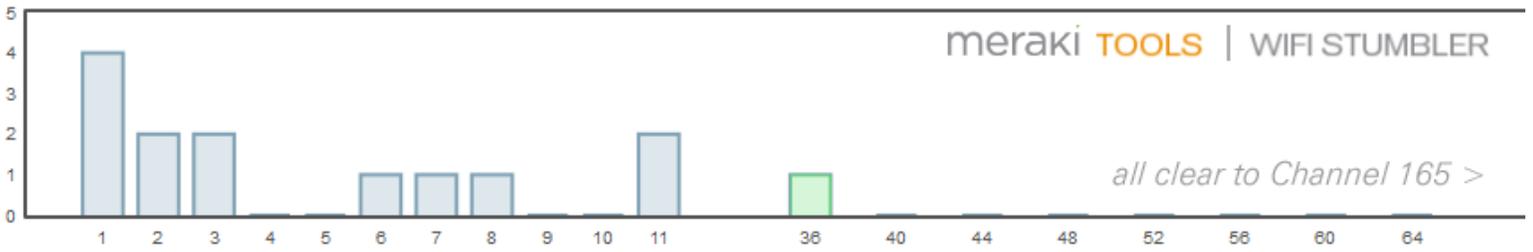
THE *NATIONWIDE* OCS REFERRAL PROGRAM
If you refer a friend, family, or business associate to OCS, tell them to mention your name and you'll receive up to a month of free service! **Our subscribers have earned $64,346 so far** – click *Referrals* on our home page for details! Your friends may simply click *Subscribe* to sign up online.

1982·2012
OLSON
30
30 YEARS
COMPUTER SERVICES

Neighborhood congestion

The graph above illustrates a recent real-time scan of nearby active wireless devices in a typical Porterville neighborhood, using the free "WiFi Stumbler" utility from **meraki.com**.

The results show that, within a nearby range of no more than a couple blocks, there are four devices (probably wireless routers) using Channel 1, two-each using Channels 2 and 3, one-each on Channels 6-8, and two more on Channel 11.

That's a lot of congestion in the 2.4GHz band, causing probable interference and performance reduction for every household that's attempting to share the same (or nearby) channels.

However the household on "Channel 36" is all alone, using a dual-band wireless router that can readily switch to the relatively unused 5GHz bands and avoid nearby congestion.

Dual-band wireless routers are widely available at all major stores, and they can potentially increase your in-home performance.

WIRELESS SERVICE AREAS

- Porterville
- Springville
- Pleasant Valley
- River Island
- Globe Drive
- Strathmore
- Terra Bella
- Lindsay
- Exeter
- Badger Hill
- Visalia East
- Yokohl Valley
- Camp Nelson
- Success Valley
- Richgrove
- Delano East

Might Congress kill the TVWS?

The US House and Senate are frantic to find more revenue for the voracious federal government treasury. Some members wish to reverse the FCC's long-standing plan to open recently-released TVWS spectrum to new wireless applications, and to instead put that spectrum up for auction to the highest bidders in an effort to raise short-term money.

If they succeed, rural communities will be the long-term losers, since small companies could not match the multi-millions that AT&T, Verizon and others would surely bid.

Based on long-standing FCC intent and encouragement, many companies have invested significant funds in the development of TVWS technology for enhanced rural deployment across the country. OCS has already committed thousands of dollars to new TVWS equipment.

WISPA, the national association of wireless ISPs, is actively advocating for open use of the TVWS. If you agree that auctions are a bad idea, you may wish to let Congressman Nunes know, as we have done. His legislative aide for FCC issues is Dr. Jessica Butler, who may be reached at **jessica.butler@mail.house.gov**.

OACYS WIRELESS INTERNET SERVICE PLANS

| Wireless Plan Types | Average Speeds | | | Monthly Usage [1] | Mailboxes | One-Time Fees | | Monthly Service [3] |
	Min	Typ	Max			Installation	Equipment Deposit [2]	
RESIDENTIAL						*All Plans*		
Basic	125K	500K	750K	12GB	5	100.00	100.00	49.95
Premium	250K	1M	1.5M	20GB	5			79.95
BUSINESS								
Business	375K	1.5M	2M	30GB	10			129.95
Professional	500K	2M	3M	35GB	25			159.95
Corporate	750K	3M	4M	45GB	30			199.95
Enterprise	1M	4M	5M	60GB	40			249.95
MOUNTAINS								
Alpine, Pierpoint, Camp Nelson	125K	375K	750K	**INCREASED** 8GB	5			69.95

1. Monthly usage is the allowed bandwidth per month. Surcharges apply for excess usage.
2. Equipment deposit is fully refundable upon termination of service after one year.
3. For areas served by Blue Ridge tower, add $10 monthly rural service fee.

I Didn't Know That!

- OCS provides "A-to-Z" technology services
- Complete computer service and repair shop
- Variety of Internet access plans and packages
- Professional website development and hosting
- Programming and custom development
- eCommerce solutions
- Computer and Internet technology consulting
- Secure branch office inter-networking
- Internet-based "VOIP" telephone services

To set Account Preferences or make Payments Online, click **UserAdmin** *on our website*

On the road? Call our toll-free support at 888-OACYSCOM