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OLSON
COMPUTER
SERVICES

NETWORKING THE
COMMUNITY
SINCE 1982

N E W S L E T T E R M A R C H 2 0 0 7

Internet Not Designed for Video

Bandwidth supply is not unlimited

Google, which acquired the online video sharing site YouTube last year, said recently "the Internet was not designed for TV," with a warning to companies that want to start distributing mainstream TV shows and movies at broadcast quality over the public Internet. It is becoming more difficult to meet the rapid rise of Internet file-swapping and video downloads – the data involved in just one hour of video can equal the total in a whole year's worth of email.

This overload can also be compounded by the recirculation of large video attachments via email forwarded to countless lists of friends.

OCS customers sometimes ask about our bandwidth management policy and why it is necessary. Some shoppers point out that competing services don't impose bandwidth usage limits, so why do we?



To address the latter item first, virtually all broadband service providers control bandwidth usage. The only difference at OCS is that our policies have always been openly defined, while others bury their restrictions in fine print and will often limit high-volume users by simply interrupting their service.

Highway traffic provides a good metaphor for bandwidth. With low traffic a country highway might be adequate for a range of speeds, but as the flow increases congestion will result and speeds can slow dramatically. Gridlock on big-city freeways is a perfect example of what

can happen over the Internet as well.

Related to speed is bandwidth *usage*, which is simply the cumulative total of traffic through an Internet connection – like keeping track of a truck's total miles and freight (in weight) transported over a toll road for a month.

OCS Customer Service has talked to several customers whose monthly bandwidth usage is unexpectedly high, who also affirm that their kids use MySpace – not realizing that there can be substantial streaming video and music on almost every MySpace site. To avoid surcharges for excess usage this kind of activity should be monitored, or sites like MySpace can also be blocked if parents prefer.

It is up to responsible ISPs to manage subscriber bandwidth allocation according to a fair and reasonable policy, to make sure that everyone's fair share is available to them. Please call us if you have any questions!

Success at Last!

Mine Hill tower nearly ready for Success Valley

As you wind and turn along Success Valley Drive, a new tower is now visible on a high slope above the old mine shafts to the west.

This will at long last bring high-speed wireless Internet service to this tucked-away valley. The photo shows the tower, which should be visible to most residents of the valley either reflecting in the morning sun or in silhouette in the afternoon. If you can see it from your home, it's likely we can provide service (*including VoIP, see also Page 2*).

Completion is expected in March. Call our office now to place your reservation!



WIRELESS SERVICE AREAS

Construction for both Success Valley and Richgrove are now under way!

- | | | |
|-------------------|---------------|--------------------|
| • Porterville | • Strathmore | • Yokohl Valley |
| • Springville | • Terra Bella | • Camp Nelson |
| • Pleasant Valley | • Lindsay | <i>In progress</i> |
| • River Island | • Exeter | • Success Valley |
| • Globe Drive | • Visalia | • Richgrove |

Our Rocky Hill Exeter tower also covers Badger Hill Estates!

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...



OCS dialup and wireless plans are described at www.porterville.com

Internet Plans and Pricing

Call about eCommerce!

Need qualified computer or network maintenance? Give us a call!

AMERICA SUPPORTS YOU

Our Military Men & Women

AMERICASUPPORTSYOU.MIL

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 a month of free service! **Our subscribers have earned \$46,657 so far!** Click *Referrals* on our home page for details. Your friends may simply click *Subscribe* to sign up online, now from anywhere in the country!



• **VIRUSES STOPPED BY OCS SYSTEM: 1,278,423** (Feb 2007: 3,992)
• **SPAM BLOCKED BY OCS SYSTEM: 59,018,389** (Feb 2007: 2,474,412)

OFFICE HOURS • MON-FRI 8AM-8PM • SAT 9AM-5PM • CLOSED SUN
767 NORTH PORTER ROAD • PORTERVILLE CA 93257 • 559-781-4123

Daylight Saving Time Change

Spring Forward comes early this year!



Beginning this year daylight saving time will be lengthened by four weeks, raising the possibility of a smaller-scale repeat of some Y2K-like problems. Clocks now go forward on the second Sunday in March, and "Fall Back" on the first Sunday in November.

For most computer users the effect will likely be an inconvenience at most. Later model computers may be updated with newer software, or configured to connect to network time servers that know the correct time.

However not everyone's computer is networked or updated, so some glitches could occur. Those with systems that are not auto-updated will need to be aware of the different dates this year and simply change their computer clocks manually. In a worst-case scenario the time zone settings for your computer's system clock may be incorrect during the new four-week period. For Windows update information see http://support.microsoft.com/gp/cp_dst.

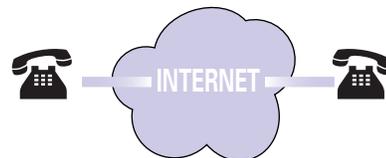
The actual dates for 2007 are March 11th and November 4th. OCS will post reminders on our website at the start of each changeover weekend.



NATIONWIDE OCS SERVICE for FRIENDS • FAMILY • BUSINESS

OACYS VoIP | Internet-Based Phone Service

- True local numbers (unlike Vonage)
- Unlimited long distance
- Emergency 911 service
- Integrated faxing
- Alarm system support
- Use your normal phones
- Caller ID, Voice Mail, much more



Only OACYS can completely replace your traditional phone lines. We can provide your high-speed Internet service, your telephone and fax service, and we even support STOP Alarm security systems – all with no phone lines!

See our website for a complete list of FAQs (Frequently Asked Questions) and a VoIP signup form ... or call or email with further questions!

Fan Mail

"I had an email issue today and wanted to let you know that everyone I know who has OCS really appreciates that they can talk to a live person and that you are so helpful." JS, 2/07



OACYS INTERNET SERVICE PLANS

Plan Name	Average Speeds			B-M-W ¹	One-Time Fees			Monthly Service
	Min	Typ	Max		Service Activation	Install/Configure	Equipment Deposit	
1 Bandwidth-Mailboxes-Webpace (see notes)								
DIALUP	26K	40K	53K	1-5-5	25.00	-	-	24.95
Accelerator	Typically 2-5X faster			-	-	-	-	+5.00
WIRELESS STANDARD 2.4 GHz								
24 Basic	125K	500K	750K	10-5-5	25.00	100.00	100.00	49.95 ^{2,3}
24 Premium	250K	1M	1.5M	15-5-5	25.00	100.00	100.00	79.95 ^{2,3}
24 Business	375K	1.5M	2M	20-10-10	25.00	100.00	100.00	129.95 ^{2,3}
2 Add \$10 per month amplifier fee for locations beyond 5 miles from nearest tower 3 Add \$10 per month for locations in designated remote service areas								
900 Basic	125K	375K	750K	5-5-5	25.00	100.00	100.00	59.95 ^{4,5}
Special "mission impossible" cases are those where obstacles such as trees or buildings between the wireless tower and the customer site normally make wireless service impossible. OACYS can now use new technology to provide service in some cases, sending signal around or through the obstacles. Individual circumstances will vary and this plan may not be available from all towers. Our free site survey will determine whether 900 service may be feasible when standard 24 service is not.								
4 Add \$10 per month amplifier fee for locations beyond 5 miles from nearest tower 5 Add \$10 per month for locations in designated remote service areas								
WIRELESS MISSION CRITICAL 5.8 GHz (where available)								
58 Premium	250K	1M	1.5M	15-5-5	25.00	100.00	100.00	99.95
58 Business	375K	1.5M	2M	20-10-10	25.00	100.00	100.00	129.95
58 Professional	500K	2M	3M	25-25-25	25.00	100.00	100.00	159.95
58 Corporate	750K	3M	4M	30-30-30	25.00	100.00	100.00	199.95
58 Enterprise	1M	4M	5M	40-40-40	25.00	100.00	100.00	249.95

Notes. All plans include automated central email virus scanning, email spam filtering, and website parental controls. Some plan types permit webpace for personal use only. Wireless installation and deposit package may be paid in installments upon request. All speeds are symmetrical (same for upload and download) within the OACYS network only. All plans terminate at OACYS Porterville headquarters and transport to the Internet via dual T3s over dedicated OC12 fiber optic circuit. All plans subject to change without notice. Pricing and terms are current at the date of this newsletter and supersede previous versions. Please check with our office for additional detail regarding any of our Internet service plans.

I Didn't Know That!

OCS provides "A-to-Z" computer technology services:

- Complete computer service and repair shop
- Broad variety of Internet access plans and packages
- Professional website design, development, and hosting
- Professional programming and custom application development
- eCommerce and business groupware solutions
- Computer and Internet technology consulting
- Secure branch office inter-networking
- Internet-based "VOIP" telephone services
- iSuite of online utility applications

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