()

Internet Trends 2005

Mary Meeker October 12

rgan Star

Internet Trends

October 12, 2005

mary.meeker@morganstanley.com brian.pitz@morganstanley.com brian.fitzgerald@morganstanley.com richard.ji@morganstanley.com

Morgan Stanley does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision. Customers of Morgan Stanley in the United States can receive independent, third-party research on the company or companies covered in this report, at no cost to them, where such research is available. Customers can access this independent research at www.morganstanley.com/equityresearch or can call 800-624-2063 to request a copy of this research.



Outline

- Perspective
- Communications Changing / Being Changed
- Broadband Meets Mobile Meets WiFi Around the World
- Broadband / Mobile / WiFi Drilldown
- Closing Thoughts
- Disclosures

Perspective



Global Internet Data Points...

Google

7.6B global searches (+74% Y/Y, 5/05); 384MM global unique visitors (+36%, 5/05) per comScore

Broadband

179MM global subscribers (+45% Y/Y, CQ2); 57MM in Asia;
45MM in N. America

Yahoo! → 917MM streaming video (music...) sessions (+119% Y/Y, CQ4)

Digital Music 695MM cumulative iTunes as of 9/05; 6MM iPods sold in CQ2:05 (+295% Y/Y)

Personalization → 40MM+ estimated My Yahoo! users

Blogging → 27% of US Internet users read blogs, 11/04

Tencent → 16MM peak simultaneous Instant Message users, China, CQ2

Ringtones \$3B annualized ringtone sales (Informa 5/05) - vs. \$495MM cumulative iTunes sales (7/05)

...Global Internet Data Points

VoIP 54MM registered Skype users (9/05) - fastest product ramp ever?

Denmark VoIP minutes > landline voice minutes

Mobile

1.1T SMSs sent with \$50B in revenue in 2004 (Informa 5/05);

Messaging

more emails sent in Japan via mobile than PC (DoCoMo 2005)

PayPal 79MM accounts (+56% Y/Y, CQ2); 23MM users (+48% Y/Y)

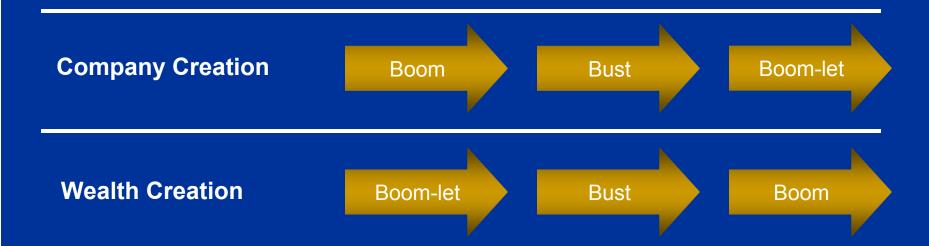
Mobile Payments → 4MM+ NTT DoCoMo wallet phone users (CQ1) in Japan

Global → N. America = 23% of Internet users in 2005; was 66% in 1995

S. Korea Broadband penetration of 70%+ - No. 1 in world

What We Have Lived Through

Patterns



Top 5 Global Internet Market Cap Leaders

Google + Yahoo! + eBay + Yahoo! Japan + Amazon.com

- \$ 2B = market value pre-2000 IPO
- \$178B = market value Nasdaq peak 3/10/00
- \$ 32B = market value Nasdaq trough 10/9/02
- \$261B = market value 10/3/05

For Google we include \$100MM in post-money valuation

Pace of Change Accelerating

Event	Date (2005)	Approximate Value	Focus
Baidu IPO	8 / 5	\$4B ⁽¹⁾	Flexibility
Yahoo! / Alibaba	8 / 10	\$4B	China
Microsoft / Teleo	8 / 30		VoIP
eBay / Skype	9 / 12	\$4B ⁽²⁾	VoIP
Google Financing	9 / 14	\$4B	Flexibility
Microsoft Reorganizatio	n 9/21		Agility
Microsoft / Yahoo!	10 / 12		IM Interoperability

Source: Morgan Stanley Research. (1) Market capitalization using first trading closing price. (2) Includes \$1.5B performance based earn-out payment.



Significant Infrastructure Builds...

Capital Expenditures

(US\$ in Millions)	C2003	C2004	C2005E	
Google	\$177	\$319	\$700	
Y/Y	375%	80%	104%	
Yahoo!	\$117	\$246	\$405	
Y/Y	128%	109%	65%	
eBay ⁽¹⁾	\$365	\$293	\$396	
Y/Y	163%	(20%)	35%	
Amazon.com	\$46	\$89	\$172	
Y/Y	17%	94%	93%	

Source: Company filings, Morgan Stanley Research. Figures exclude capital expenditures from acquired companies. (1) C2003 includes \$125.1MM purchase of additional office space. E = Morgan Stanley Research estimates.



...Significant Infrastructure Builds

To organize all the world's information and make it universally accessible and useful.

Communications Changing / Being Changed



Communications (Data and Voice) Changing

1975 2005



Landline Phone

Pace of innovation across communication devices, services and networks continues to rise





Email





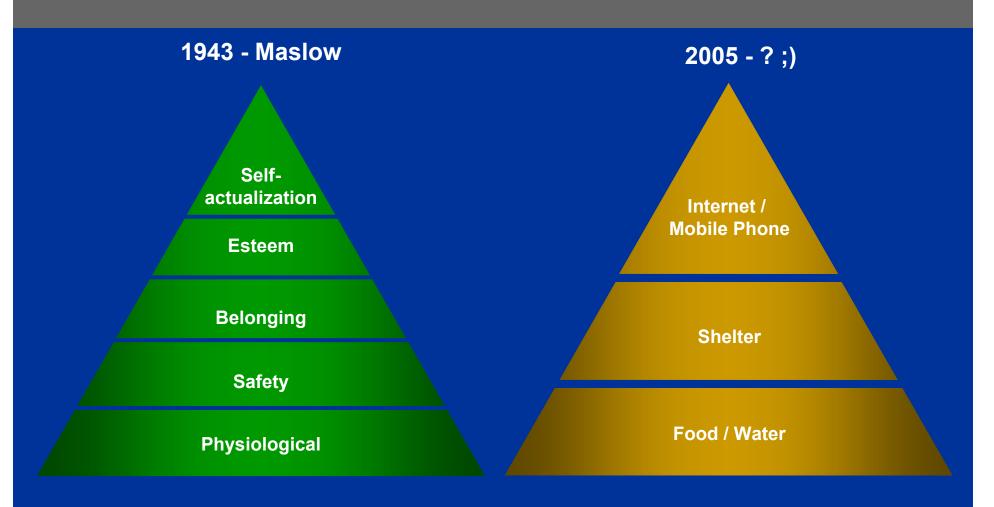






Blogs

Hierarchy of Needs?



Created for discussion purposes and perhaps a bit of humor. Not intended to discredit Maslow's hierarchy of needs which we believe to be accurate.



Broadband Meets Mobile Meets WiFi – Around the World



Just Another Computing Cycle?

4 major computing cycles over past 50 years

Mainframe → Minicomputer → PC → PC Internet (Narrowband)

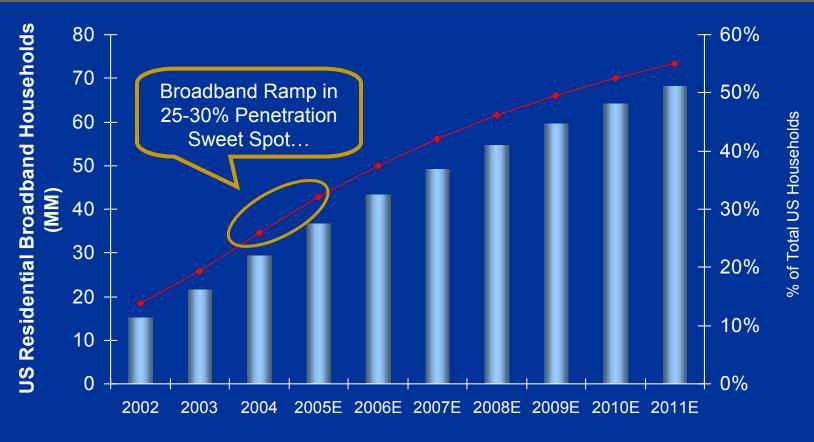
In / entering 2 most profound cycles ever

PC Internet (Broadband) → Mobile Internet

Why now?

- 1) Broadband becoming pervasive
- 2) Internet-enabled mobile devices becoming pervasive in effect, becoming small / functional computers
- 3) Global technology innovation may be at all time high

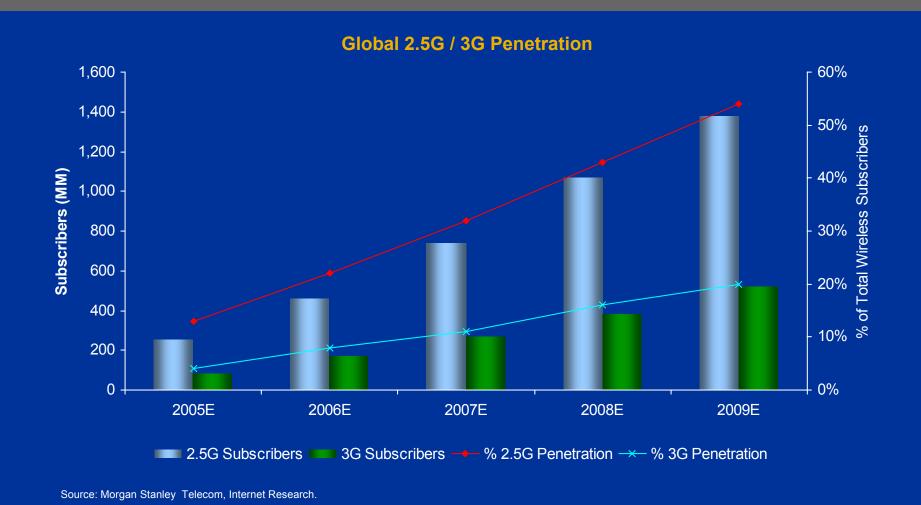
Broadband Becoming Pervasive



Morgan Stanley Research.



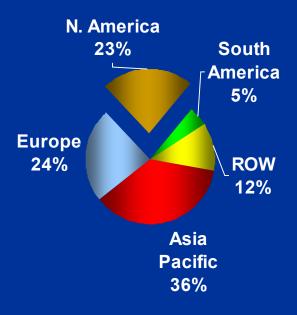
Mobile Broadband in Early Stages



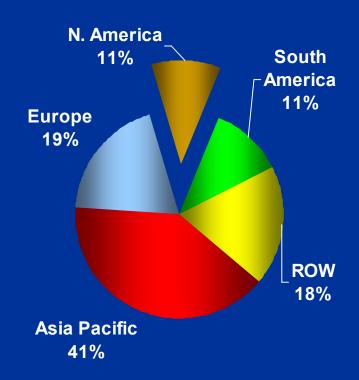


Global Tech Usage / Innovation at All Time High

Internet Users – 1B C2005E (1)



Mobile Subscribers – 2B C2005E (2)



(1) Source: Morgan Stanley Research.

(2) Source: Morgan Stanley Communications Equipment Research: Scott Coleman, John Marchetti.

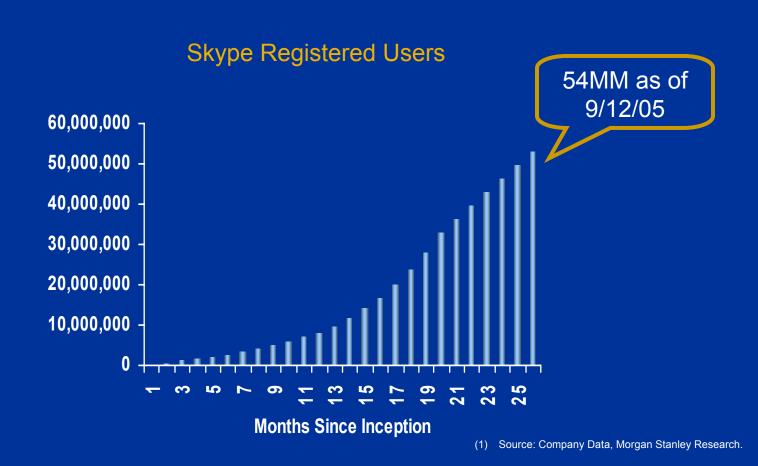


Convergence of Internet / Mobile – US Lags

Country	Mobile Phones (MM)	Internet Users (MM)	Mobile Phone to Internet User Ratio	Installed PCs (MM)
China	363	100	3.6 : 1	53
US	177	211	0.8 : 1	207
Japan	88	78	1.1 : 1	55
Germany	69	51	1.4 : 1	39
UK	54	37	1.5 : 1	26
Italy	54	32	1.7 : 1	16
S. Korea	37	32	1.2 : 1	27

Euromonitor, CNNIC, World Bank, Morgan Stanley Research – June 2005 estimates

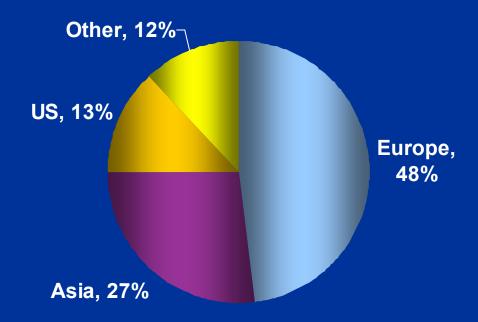
Skype (VoIP) – Fastest Growing Application Ever?





Skype – 87% of Usage Outside N. America

Skype Revenue Distribution – Q2TD



eBay + Skype

- Best example (along with VeriSign / Jamba) of leading US-based technology company purchasing a leading non-US technology that had leadership in foreign markets with intent, in part, to bring technology into US market
- More potentially a lot more to come...

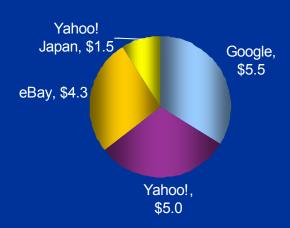
Broadband / Mobile / WiFi Drilldown



Broadband Internet vs. Mobile Internet Revenue

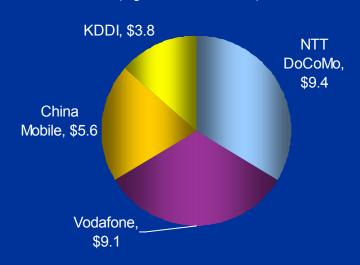
Broadband Internet CQ2 Annualized - \$16B

(Figures in US\$ Billions)



Mobile Internet Data CQ2 Annualized - \$28B (Majority SMS/MMS related)

(Figures in US\$ Billions)

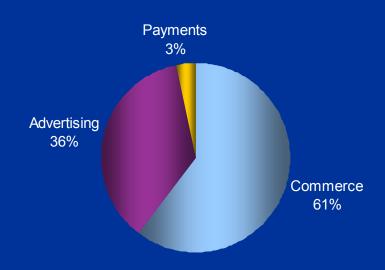


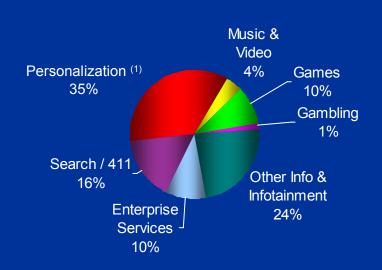
Source: Top four revenue generators for broadband Internet and mobile data. Left Chart - Morgan Stanley Research Estimates, Right Chart - Company Filings.

Broadband Internet vs. Mobile Internet Revenue Composition

Top 10 Internet Companies - Revenue Composition CQ2 Annualized - \$28B

Revenue Composition - Mobile Internet C2005E - \$19B





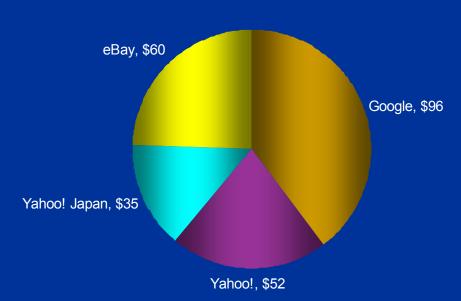
Source: Left Chart - Morgan Stanley Research estimates: includes revenue from Google, eBay, Yahoo!, Yahoo! Japan, Amazon.com, T-Online, InterActive, Time Warner (AOL only), Microsoft (MSN only), and Rakuten. Right Chart – Morgan Stanley Research estimates, Global Data. Informa (5/05), Ovum (5/05). (1) Personalization includes ringtones, wallpapers, and screensavers.

Broadband Internet vs. Mobile Internet Valuations

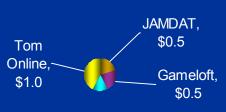
Pure Play Broadband Internet - \$242B

Pure Play Mobile Internet - \$2B





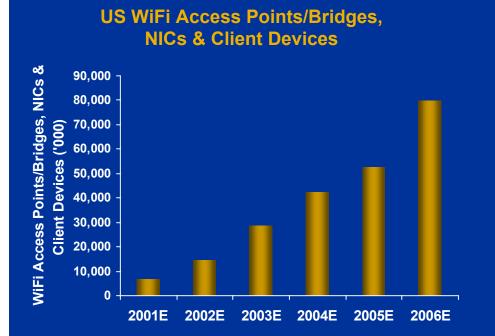
(Figures in US\$ Billions)



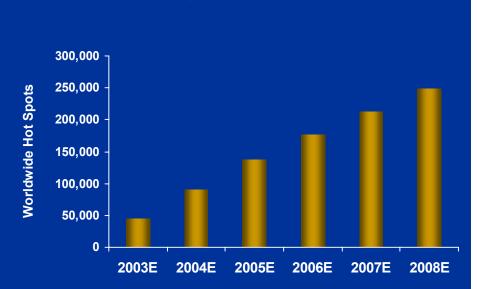
MonsterMob, \$0.4

Source: Morgan Stanley Research, based on pricing data as of 10/3/05.

WiFi Usage Ramping



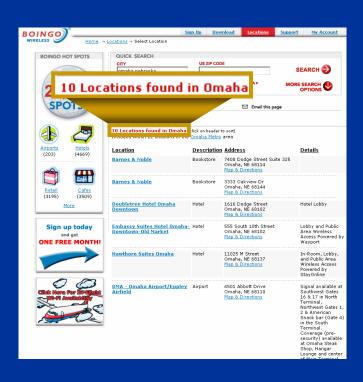
Worldwide Available Hotspots by Region, 2003E-2008E



Left Chart Source: Morgan Stanley Research Estimates: S. Coleman, J. Marchetti. Right Chart Source: IDC (12/04)

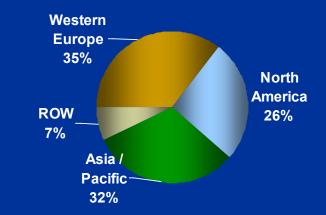
WiFi (or Equivalent) – Glue for Ubiquitous Connectivity?

- Boingo & T-Mobile Hot Spots 18K+ each
- Search 'Omaha, Nebraska' 10 Boingo Hot Spots



(1) Source: IDC(12/04). (2) Source: Boingo Wireless (9/05).

Worldwide Available Hotspot Share by Region, 2004 (1)



Location Distribution of Boingo Hot Spots (2)



Closing Thoughts



Watch What Global Younger Generation Does

Mobile Content, Services









Web OS Programs







Social Networking









Social Tagging







User-Generated Content Increasingly Relevant...

Yahoo! Movie Reviews





eBay Feedback Ratings



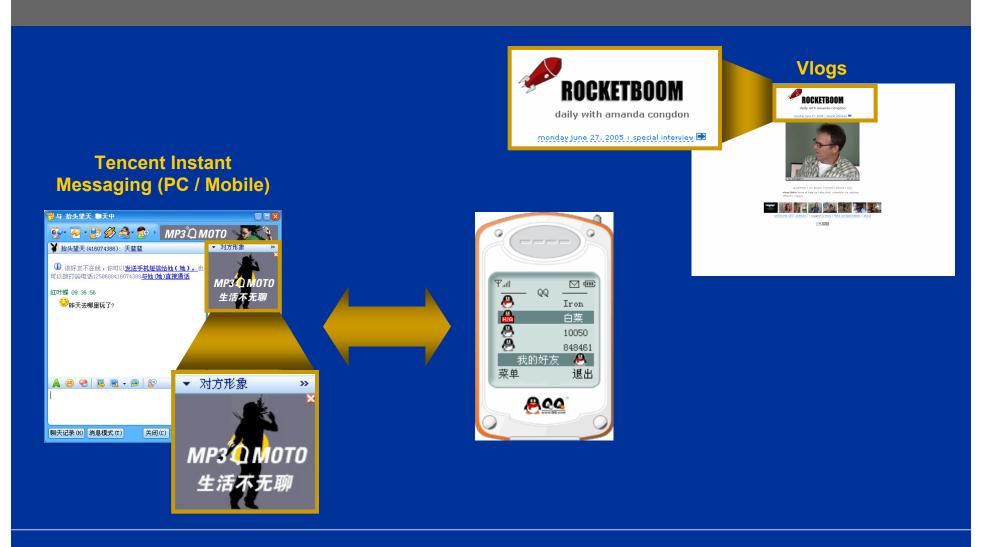
Google Video Search

Blogs





... User-Generated Content Increasingly Relevant



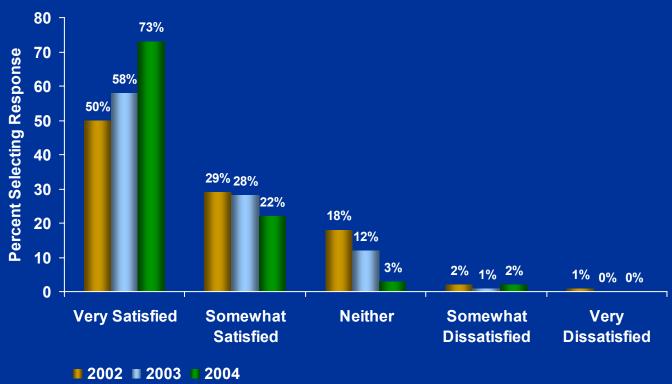
Content / User Experience Continues to Improve...





...Content / User Experience Continues to Improve

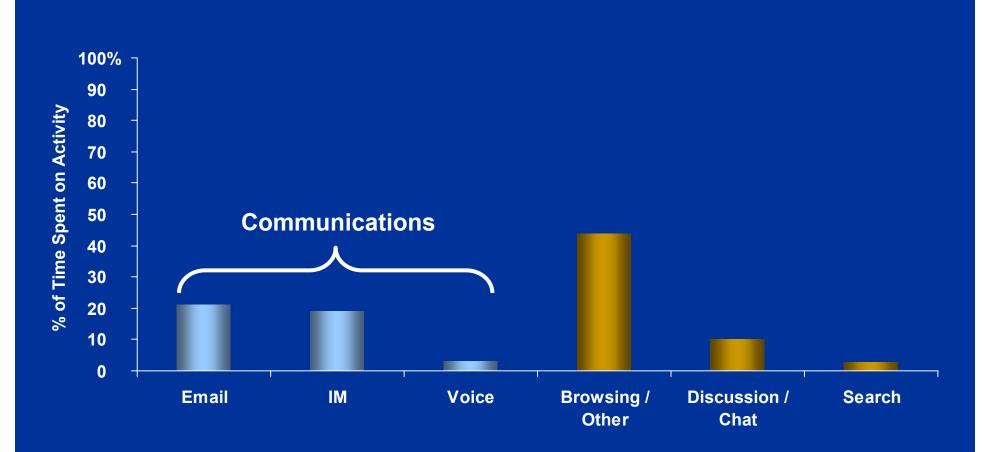
Consumer Satisfaction with Merchants in CQ4 Holidays



Shop.org/BizRate Research Online Holiday Mood Study BizRate Research, a Division of Shopzilla Conducted By Shop.org and BizRate Research Wave 2 Dates 2002: 12/2 – 12/3 2003: 12/1 – 12/2 2004: 12/6 – 12/7



Communications = 44% (& Rising) of US Online Usage



Source: comScore Media Metrix, based on average minutes per visitor by category (8/05). Browsing / Other includes general web-surfing activity not listed in other categories, including anything from news sites (cnn.com) to retail (Amazon.com) to job sites.

Next Generation Global Communication Hubs?

Internet Sites	Search Engines	Email Providers	IM Services	VolP Services	Payments		
MSN Unique Visitors ⁽²⁾ (420MM)	Google Search ⁽¹⁾ (218MM) Yahoo! Search ⁽¹⁾	Yahoo! Mail ⁽¹⁾ (219MM) MSN Hotmail	MSN Messenger Active Accounts ⁽²⁾ (180MM)	Registered Users (2) Acco	PayPal / eBay Accounts ⁽²⁾ (79MM)		
Google ⁽¹⁾ (384MM)	(207MM)	Active Accounts ⁽²⁾ (205MM)	Yahoo! Messenger ⁽¹⁾ (95MM)				
Yahoo! Unique Visitors ⁽²⁾ (379MM)		Google GMail ⁽¹⁾ (27MM)	AOL Instant Messenger (AIM) ^(1, 3) (64MM)				
eBay ⁽¹⁾ (187MM)		gence is hannen	nce is happening (~10% of				
Amazon.com Active Customers ⁽²⁾ (50MM)			Yahoo! call). O _l	Yahoo! IM sessions end in phone call). Opportunities exist for non-mobile players to leverage existing subscribers.			
AOL Subscribers ⁽²⁾ (30MM)							
MySpace.com ⁽¹⁾ (21MM)			base as	has the most valuable customer as transition occurs? Who will it when it is over?			

⁽¹⁾ Source: Unique Visitors, comScore Media Metrix (5/05).

⁽⁴⁾ Note: For IM, Radicati Group cites Global IM Share as follows: AIM (56%), MSN (25%), Yahoo! Messenger (19%), versus the methodology above, which yields: MSN (53%), Yahoo! Messenger (28%), AIM (19%), excluding Skype and ICQ.

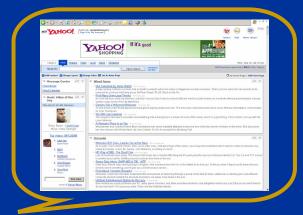


⁽²⁾ Source: Company Reports, as of CQ2:05. MSN data as of 10/12/05. Yahoo! data computed by taking total Yahoo-MSN figure (275MM) and subtracting MSN portion. Skype data as of 9/12/05.

⁽³⁾ Source: Company Web site, as of 4/04.

Mobile-PC Becoming New Client-Server Model?

Server



User programs content on PC

Abbreviated version of content syncs wirelessly with mobile device

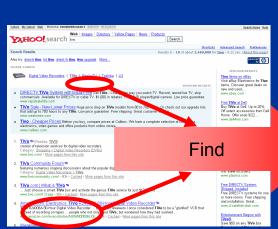
Client





SFO - Will There Be a Difference Between Advertising / Marketing / Selling?

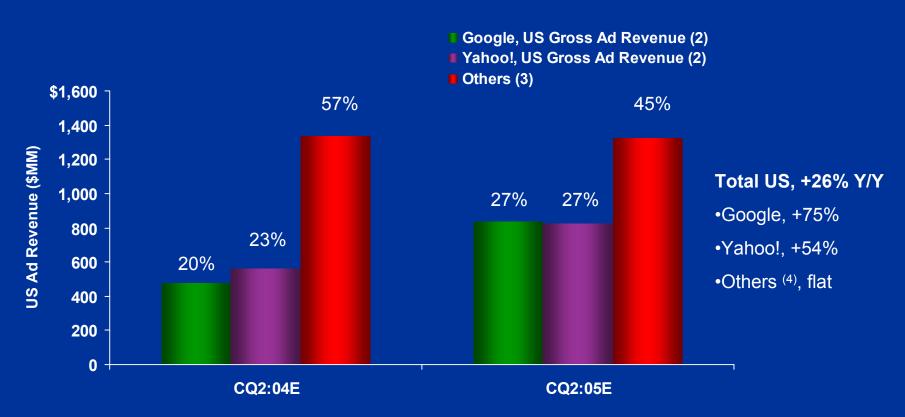






SFO – Future Role of Google / Yahoo!?

US Online Ad Revenue Mix (1)



- (1) Source: Ad revenue totals from IAB/PriceWaterhouseCoopers Interactive Advertising reports.
- (2) Calculated as reported revenue multiplied by the reported percentage of US Ad Revenue.
- (3) Calculated as the difference between total IAB US revenue and the sum of Google, Yahoo! gross revenue.
- (4) Assuming that TAC of Google and Yahoo! was included in others total, this segment would have been up 16% Y/Y.



Power of Google / Yahoo! Ecosystems

- While Google generated \$1.4B in gross online advertising revenue in CQ2 it PAID OUT \$494MM to thousands of partners like AOL, Ask Jeeves and iVillage
- While Yahoo! generated \$1.1B in gross online advertising revenue in CQ2 it PAID OUT an estimated \$378MM to thousands of partners like MSN, ESPN and *The Wall Street Journal*

\$674 in US Ad Spend for Newspaper Home vs. \$145 for Internet?

Medium	2004E US Advertising Spending (\$B)	US Households (MM)	US Ad Spending / Household (\$)	
Promotions	\$101	99	\$1,022	
Direct Telephone	91	105	865	
Newspapers	48	72	674	
Classifieds	17	55	302	
Direct Mail	51	99	514	
Broadcast TV	45	108	416	
Radio	20	60	334	
Cable TV	18	74	240	
Magazine	21	99	216	
Yellow Pages	15	99	151	
Internet / Online	10	66	145	
Total	\$420	881	\$4,575	
Average	42	88	458	

Morgan Stanley Research, PricewaterhouseCoopers, IAB, Jupiter Research, McCann-Erickson, RAB; Newspapers include Classifieds. Promotions (\$101B) include: incentives (\$27B), promotional products (\$22B), POS (\$17B), specialty printing (\$8B), coupons (\$7B), premiums (\$6B), promotional licensing (\$6B), promotional fulfillment (\$5B), product sampling (\$2B), and in-store marketing (\$1B). Households may use multiple advertising mediums.



Email is 'Free' - What About Voice?



Image Source: www.pw-x.com/unified.htm.

\$1 Content – Make it Up On Volume?

- Very low-priced downloadable digital content (including the likes of ring tones and iTunes), assisted by easy-to-use payment systems (from the likes of mobile operators and PayPal), is generating billions in revenue.
- Maybe, just maybe, if one has truly great low-priced content – and makes it very easy to search / find / obtain (SFO) - one can make it up on volume...

Innovation / Network Effects Will Drive Usage Growth

- Broadband
- Mobile
- User experience
- Search
- Personalization with more effective targeting
- User-generated content (RSS, blogs, reviews, video, images, audio...)
- Music
- Payments
- Short- and long-form video
- Interactive entertainment
- VoIP
- Local
- Pay per call
- Digital Rights Management (DRM)
- Ubiquitous connectivity



Changes Just Beginning

- We believe first ten years (1995-2005) of commercial
 Internet were a warm up act for what is about to happen
- Opportunities / dislocations will be significant
- John / Tim thanks for helping keep us informed! ;)

Disclosures



Disclaimer www.morganstanley.com/institutional/research

Analyst Certification

The following analysts hereby certify that their views about the companies and their securities discussed in this report are accurately expressed and that they have not received and will not receive direct or indirect compensation in exchange for expressing specific recommendations or views in this report: Mary Meeker, Brian Pitz, Brian Fitzgerald and Richard Ji. Unless otherwise stated, the individuals listed on the cover page of this report are research analysts.

Important US Regulatory Disclosures on Subject Companies

The following analyst, strategist, or research associate (or a household member) owns securities in a company that he or she covers or recommends in this report: Mary Meeker - Intuit (common stock), Amazon.com (common stock), Yahoo! (common stock), Microsoft (common stock), eBay (common stock); Morgan Stanley policy prohibits research analysts, strategists and research associates from investing in securities in their sub industry as defined by the Global Industry Classification Standard ("GICS," which was developed by and is the exclusive property of MSCI and S&P). Analysts may nevertheless own such securities to the extent acquired under a prior policy or in a merger, fund distribution or other involuntary acquisition.

As of August 31, 2005, Morgan Stanley beneficially owned 1% or more of a class of common equity securities of the following companies covered in this report: Amazon.com, CNET, eBay, Google, priceline.com, VeriSign, Yahoo!.

Within the last 12 months, Morgan Stanley managed or co-managed a public offering of securities of GSI COMMERCE.

Within the last 12 months, Morgan Stanley has received compensation for investment banking services from eBay, Google, GSI COMMERCE, Intuit, Microsoft, priceline.com, VeriSign.

In the next 3 months, Morgan Stanley expects to receive or intends to seek compensation for investment banking services from Amazon.com, CNET, drugstore.com, eBay, Google, GSI COMMERCE, Intuit, Microsoft, priceline.com, VeriSign, Yahoo!.

Within the last 12 months, Morgan Stanley & Co. Incorporated has received compensation for products and services other than investment banking services from CNET, eBay, Microsoft, priceline.com, VeriSign.

Within the last 12 months, Morgan Stanley has provided or is providing investment banking services to, or has an investment banking client relationship with, the following companies covered in this report: Amazon.com, CNET, drugstore.com, eBay, Google, GSI COMMERCE, Intuit, Microsoft, priceline.com, VeriSign, Yahoo!

Within the last 12 months, Morgan Stanley has either provided or is providing non-investment banking, securities-related services to and/or in the past has entered into an agreement to provide services or has a client relationship with the following companies covered in this report: CNET, eBay, Intuit, Microsoft, priceline.com, VeriSign.

The research analysts, strategists, or research associates principally responsible for the preparation of this research report have received compensation based upon various factors, including quality of research, investor client feedback, stock picking, competitive factors, firm revenues and overall investment banking revenues.

Morgan Stanley & Co. Incorporated makes a market in the securities of Amazon.com, CNET, drugstore.com, eBay, Google, GSI COMMERCE, Intuit, Microsoft, priceline.com, VeriSign, Yahoo!.

Morgan Stanley & Co. International Ltd. is a corporate broker to GSI COMMERCE.

Certain disclosures listed above are also for compliance with applicable regulations in non-US jurisdictions.



Disclaimer www.morganstanley.com/institutional/research

Stock Ratings

Different securities firms use a variety of rating terms as well as different rating systems to describe their recommendations. For example, Morgan Stanley uses a relative rating system including terms such as Overweight, Equal-weight or Underweight (see definitions below). A rating system using terms such as buy, hold and sell is not equivalent to our rating system. Investors should carefully read the definitions of all ratings used in each research report. In addition, since the research report contains more complete information concerning the analyst's views, investors should carefully read the entire research report and not infer its contents from the rating alone. In any case, ratings (or research) should not be used or relied upon as investment advice. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations.

Global Stock Ratings Distribution

(as of Sept 30, 2005)

For disclosure purposes only (in accordance with NASD and NYSE requirements), we include the category headings of Buy, Hold, and Sell alongside our ratings of Overweight, Equal-weight and Underweight. Morgan Stanley does not assign ratings of Buy, Hold or Sell to the stocks we cover. Overweight, Equal-weight, and Underweight are not the equivalent of buy, hold, and sell but represent recommended relative weightings (see definitions below). To satisfy regulatory requirements, we correspond Overweight, our most positive stock rating, with a buy recommendation; we correspond Equal-weight and Underweight to hold and sell recommendations, respectively

	Coverage	Universe	Investment	Banking Cli	ents (IBC)
					% of
				% of Total	Rating
Stock Rating Category	Count	% of Tota	l Count	IBC	Category
Overweight/Buy	712	35%	273	39%	38%
Equal-weight/Hold	925	46%	322	46%	35%
Underweight/Sell	394	19%	98	14%	25%
Total	2,031		693		

Data include common stock and ADRs currently assigned ratings. An investor's decision to buy or sell a stock should depend on individual circumstances (such as the investor's existing holdings) and other considerations. Investment Banking Clients are companies from whom Morgan Stanley or an affiliate received investment banking compensation in the last 12 months.

Overweight (O). The stock's total return is expected to exceed the total return of the relevant country MSCI index, on a risk-adjusted basis, over the next 12-18 months. Equal-weight (E). The stock's total return is expected to be in line with the total return of the relevant country MSCI index, on a risk-adjusted basis, over the next 12-18 months. Underweight (U). The stock's total return is expected to be below the total return of the relevant country MSCI index, on a risk-adjusted basis, over the next 12-18 months.

More volatile (V). We estimate that this stock has more than a 25% chance of a price move (up or down) of more than 25% in a month, based on a quantitative assessment of historical data, or in the analyst's view, it is likely to become materially more volatile over the next 1-12 months compared with the past three years. Stocks with less than one year of trading history are automatically rated as more volatile (unless otherwise noted). We note that securities that we do not currently consider "more volatile" can still perform in that manner. Unless otherwise specified, the time frame for price targets included in this report is 12 to 18 months.

ANALYST INDUSTRY VIEWS

Attractive (A): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be attractive vs. the relevant broad market benchmark, as indicated below. In-Line (I): The analyst expects the performance of his or her industry coverage universe over the next 12-18 months to be in line with the relevant broad market benchmark, as indicated below. Cautious (C): The analyst views the performance of his or her industry coverage universe over the next 12-18 months with caution vs. the relevant broad market benchmark, as indicated below. Benchmarks for each region are as follows: North America - S&P 500; Latin America - relevant MSCI country index; Europe - MSCI Europe; Japan - TOPIX; Asia/Pacific - relevant MSCI country index.

Stock price charts and rating histories for companies discussed in this report are available at www.morganstanley.com/companycharts or from your local investment representative. You may also request this information by writing to Morgan Stanley at 1585 Broadway, (Attention: Equity Research Management), New York, NY, 10036 USA.



Other Disclosures

Other Important Disclosures

This research report has been published in accordance with our conflict management policy, which is available at www.morganstanley.com/institutional/research/conflictpolicies.

For a discussion, if applicable, of the valuation methods used to determine the price targets included in this summary and the risks related to achieving these targets, please refer to the latest relevant published research on these stocks. Research is available through your sales representative or on Client Link at www.morganstanley.com and other electronic systems.

This report does not provide individually tailored investment advice. It has been prepared without regard to the individual financial circumstances and objectives of persons who receive it. The securities discussed in this report may not be suitable for all investors. Morgan Stanley recommends that investors independently evaluate particular investments and strategies, and encourages investors to seek the advice of a financial adviser. The appropriateness of a particular investment or strategy will depend on an investor's individual circumstances and objectives.

This report is not an offer to buy or sell or the solicitation of an offer to buy or sell any security or to participate in any particular trading strategy. The "Important US Regulatory Disclosures on Subject Companies" section lists all companies mentioned in this report where Morgan Stanley owns 1% or more of a class of common securities of the companies. For all other companies mentioned in this report, Morgan Stanley may have an investment of less than 1% in securities or derivatives of securities of companies mentioned in this report, and may trade them in ways different from those discussed in this report may have investments in securities or derivatives of securities of companies mentioned in this report, and may trade them in ways different from those discussed in this report. Derivatives may be issued by Morgan Stanley or associated persons.

Morgan Stanley & Co. Incorporated and its affiliate companies do business that relates to companies covered in its research reports, including market making and specialized trading, risk arbitrage and other proprietary trading, fund management, investment services and investment banking. Morgan Stanley sells to and buys from customers the equity securities of companies covered in its research reports on a principal basis.

With the exception of information regarding Morgan Stanley, reports prepared by Morgan Stanley research personnel are based on public information. Morgan Stanley makes every effort to use reliable, comprehensive information, but we make no representation that it is accurate or complete. We have no obligation to tell you when opinions or information in this report change apart from when we intend to discontinue research coverage of a subject company. Facts and views presented in this report have not been reviewed by, and may not reflect information known to, professionals in other Morgan Stanley business areas, including investment banking personnel.

Morgan Stanley research personnel conduct site visits from time to time but are prohibited from accepting payment or reimbursement by the company of travel expenses for such visits.

The value of and income from your investments may vary because of changes in interest rates or foreign exchange rates, securities prices or market indexes, operational or financial conditions of companies or other factors. There may be time limitations on the exercise of options or other rights in your securities transactions. Past performance is not necessarily a guide to future performance. Estimates of future performance are based on assumptions that may not be realized. Unless otherwise stated, the cover page provides the closing price on the primary exchange for the subject company's securities.

To our readers in Taiwan: Information on securities that trade in Taiwan is distributed by Morgan Stanley & Co. International Limited, Taipei Branch (the "Branch"). Such information is for your reference only. The reader should independently evaluate the investment risks and is solely responsible for their investment decisions. This publication may not be distributed to the public media or quoted or used by the public media without the express written consent of Morgan Stanley. Information on securities that do not trade in Taiwan is for informational purposes only and is not to be construed as a recommendation or a solicitation to trade in such securities. The Branch may not execute transactions for clients in these securities.

(continued on next page)



Other Disclosures

Other Important Disclosures

To our readers in Hong Kong: Information is distributed in Hong Kong by and on behalf of, and is attributable to, Morgan Stanley Dean Witter Asia Limited as part of its regulated activities in Hong Kong. If you have any queries concerning this publication, please contact our Hong Kong sales representatives.

Certain information in this report was sourced by employees of the Shanghai Representative Office of Morgan Stanley Dean Witter Asia Limited for the use of Morgan Stanley Dean Witter Asia Limited.

This publication is disseminated in Japan by Morgan Stanley Japan Limited; in Hong Kong by Morgan Stanley Dean Witter Asia Limited (which accepts responsibility for its contents); in Singapore by Morgan Stanley Dean Witter Asia (Singapore) Pte. (Registration number 199206298Z) and/or Morgan Stanley Asia (Singapore) Securities Pte Ltd (Registration number 200008434H), regulated by the Monetary Authority of Singapore, which accepts responsibility for its contents; in Australia Limited A.B.N. 67 003 734 576, holder of Australian financial services licence No. 233742, which accepts responsibility for its contents; in Korea by Morgan Stanley & Co International Limited, Seoul Branch; in India by JM Morgan Stanley Securities Private Limited; in Canada by Morgan Stanley Canada Limited, which has approved of, and has agreed to take responsibility for, the contents of this publication in Canada; in Germany by Morgan Stanley Bank AG, Frankfurt am Main, regulated by Bundesanstalt fuer Finanzdienstleistungsaufsicht (BaFin); in Spain by Morgan Stanley, S.V., S.A., a Morgan Stanley group company, which is supervised by the Spanish Securities Markets Commission (CNMV) and states that this document has been written and distributed in accordance with the rules of conduct applicable to financial research as established under Spanish regulations; in the United States by Morgan Stanley & Co. Incorporated and Morgan Stanley DW Inc., which accept responsibility for its contents. Morgan Stanley & Co. International Limited, authorized and regulated by Financial Services Authority, disseminates in the UK research that it has prepared, and approves solely for the purposes of section 21 of the Financial Services and Markets Act 2000, research which has been prepared by any of its affiliates. Private U.K. investors should obtain the advice of their Morgan Stanley & Co. International Limited representative about the investments concerned. In Australia, this report, and any access to it, is intended only for "wholesale clients" within the me

The trademarks and service marks contained herein are the property of their respective owners. Third-party data providers make no warranties or representations of any kind relating to the accuracy, completeness, or timeliness of the data they provide and shall not have liability for any damages of any kind relating to such data. The Global Industry Classification Standard ("GICS") was developed by and is the exclusive property of MSCI and S&P.

Morgan Stanley has based its projections, opinions, forecasts and trading strategies regarding the MSCI Country Index Series solely on publicly available information. MSCI has not reviewed, approved or endorsed the projections, opinions, forecasts and trading strategies contained herein. Morgan Stanley has no influence on or control over MSCI's index compilation decisions.

This report or any portion hereof may not be reprinted, sold or redistributed without the written consent of Morgan Stanley.

Morgan Stanley research is disseminated and available primarily electronically, and, in some cases, in printed form.

Additional information on recommended securities is available on request.

