Down From the Top of Its Game *The Story of Infocom, Inc.*

> Hector Briceno, Wesley Chao, Andrew Glenn, Stanley Hu, Ashwin Krishnamurthy, Bruce Tsuchida December 13, 2000

Outline of Presentation

- Founding and Background
- Technical Achievements
- Selling Games
- Financial Success
- Transition to Business Products
- Problems in Transition
- Conclusions



Founding and Background

Dynamic Modeling group at LCS
Created *Zork* for mainframes
Original intentions
Keep people together
Make serious software for PCs
Launched *Zork* to get started



Infocom's Board of Directors



From left: Marc Blank, Joel Berez (President), Al Vezza, J.C.R. Licklider, Chris Reeve



Company Culture

Fun, humorous group Young and funky

"...a level of 28 mg of Budweiser Beer was also noted. This is equivalent to a goldfish drinking eighteen six-packs in a seven minute period."



FRAMED IN FISH KILLINGS By Flaxo F. Gorilla III, Legal Affairs Writer

InfoTester Dave "Hollywood" Anderson was declared innocent by a jury of his peers in a sensational murder trial on Friday. The jury needed only five minutes to reach its verdict, declaring Anderson innocent of the charge of murdering three goldfish in the Apt Courtyard Fish Pond on Wednesday, November 16.

Hollywood, speaking at an Aku-Aku victory celebration following the trial, termed the prosecution's case "a deliberate, malicious frame-up" and the jury's verdict "a blow for justice." He vowed to bring a suit against District Attorney Mark Blanc for Defamation of Character, Falsification of Evidence, and Conspiracy to Deletě Files. Several prosecution witnesses have already been indicted for



Fish expert, Mike Dornbrook Never met a fish he didn't like, says "Icon" Dornbrook

perjury. The most climactic moment in the trial came when Defense Attorney S. Eric Meretzky called a surprise witness to testify. Shock rippled through the crowd as Info Chairman "Big" Al Vezza was summoned to the stand. Vezza, who refused to take the chair until handed a subpoena, stunned the court by fingering jury member Poh C. Lim as the true murderer.

(continued on page 2)



There were no injuries or marks of a second out a nature, except a small bruise on the left dorsal fin (second tent with swimming into a meteor shower blindfolded).

Analysis of the blood of the decert revealed a blood level of 69mg% for slime and 46mg% for fungu considered normal by the Cambridge faster Department. However, a level of 28mg% of Eudweiser Beer was allo noted. This is equivalent to a goldfish drinking eighteen six-packs in a seven minute period. Routine analysis for pastromi and yak bladders was unproductive.

I am firmly convinced that the deceased died of an intentionally administered overdose of Budweiser.





Technical Achievements

- Better English parser
- The Z-machine
 - Made games compact
- System of development
 - MDL \rightarrow Platform-independent byte-codes
 - Efficient and cost-effective



Selling Games

Released *Zork* in 1980 for TRS-80 Model I Spawned sequels, *Deadline*, *Starcross*, more









Why were games fun?

- "Understood" many English sentences
- Vivid stories, characters
- Demographics

	TDICV IC CET			-		
Expect the unexpected the first time you experi-	TRICK IS GET hundreds, even thousands of alterna- tives at every step. In fact, an Infocom	/	-	133	1 - A hand	
ence Infocom's interactive fiction. Because you won't be booting up a computer game.	interactive story is roughly the length of a short novel in content,				All house - sugar a	1 States
You'll be stepping into a story. You'll find yourself at the center of	but because you take an active	see are in the kin term of meaning in hard for a seed of it and it means that is the set of the	where heriters it industry where heriters don't make where end to dark mass		Trestanting -	
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The most remarkable thing about Infocom's inter- active fiction is that you become	neuon.	moon, Taken The start is extremely beavey and cannot be corried in the branchastern O function of all				
almost inextricably involved with it. That's not our opinion-it's the testimony of our customers.	> Light die The trave las > Orren die se	large. Here is now on				
They tell us their pulse rates have skyrocketed and their	The dease relact	up asser and climits down Santiv opens to reveal a rickery staircase descending of				
palms have sweated as they've striven to solve the mysteries of our tales. And even when they've	/			and the second se		
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Churn away at what the next step should	We write everything from				State of the second	
alter strategy, where the ultimate	fantasy to mystery to science fiction to high adventure, for everyone from the first-time adventurer to the most		Photo -			
Obsessions? Yes, but magnificent ones. For the first time, you can be	experienced veteran of our interac- tive stories. So find out what it's like to get					11
more than a passive reader—you can become the story's main character and driving force. You can shape its	inside a story. Get one from Infocom. Because with	with a coupon entitling you to \$8 off				1211
course of events by what you choose to do. And you enjoy enormous freedom in your	Infocom's interactive fiction, there's room for you on every disk.	the purchase of your first complete Infocom story, plus coupons for other exciting bonuses!			No. of Concession, Name	
choice of actions—you have	Ease into interactive fiction with our Can't-Lose Sampler Offer! Watch for Infocom's new sampler	55 Wheeler St., Cambridge, MA 02138				
	disk at your favorite dealer-and get your first taste of interactive fiction	For your: Apple T, Macintosh, Atari, Commodore 64, CFIMEP, DEContro, DEC Randoux, DEC R714, INF200 & Hu, HIM PC* 4 PVay, KAPERO H, INS-DOS L0*, NEC APC, NEC PC-8000 Oblavie, TRS-80 Collector Computer, Tandy 2000, TTProfessional,				
	for just \$7.95 (suggested retail price). You've got nothing to lose (in fact, you can make a shiny new	TT 894A, T894O Models J & BL Use the BM PC version for your Company and the MS-DOS 2.0 version for your Weige Modeler. Easts Oriented Systems Do ORD and many others.				
	nickel in the bargain) because your Infocom sampler disk even comes					



Self-publishing





Marketing and PR

COMPUTERS

GAMES WITH A REAL BYTE TO THEM The latest electronic entertainments forgo animation for mind-bending do-tyourself whodunits and other fictional adventures

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Discover, March 1984



Ads

WE STICK OUR GRAPHICS WHERE THE SUN DON'T S yet achieved by an adventure with graphics." And the NEW YORK TIMES saw fit to print that our DEADLINE™ is "an amazing feat of programming." Even a You'll never see Infocom's graphics on journal as video-oriented as ELEC-

any computer screen. Because there's never been a computer built by man that could handle the images we produce. And, there never will be. We draw our graphics from the limitless imagery of your imagination-a home with you. Discover firsthand technology so powerful, it makes any picture that's ever come out of a screen look like graffiti by comparison. And nobody knows how to unleash your imagination like Infocom. Through our prose, your imagination

makes you part of our stories, in control of what you do and where you goyet unable to predict or control the course of events. You're confronted with situations and logical puzzles the like

of which you won't find elsewhere. And you're immersed in rich environments alive with personalities as real as any you'll meet in the flesh-yet all the more vivid because they're perceived directly by your mind's eye, not through your external senses. The method to this magic? We've found the way to plug our prose right into your psyche, and catapult you into a whole new dimension. Take some tough critics' words about our words. SOFTALK, for

example, called ZORK* III's prose

TRONIC GAMES found Infocom prose to be such an eye-opener they named one of our games their Best

Adventure of 1983. Better still, bring an Infocom game why thousands upon thousands of discriminating game players keep turning everything we write into instantaneous bestsellers.

Step up to Infocom. All words. No graffiti. The secret reaches of your mind are beckoning. A whole new dimension is in there waiting for you.





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CBS Morning News

Marc Blank (The Witness)









Infocom Rockets to the Top



This Last W

December 1983

Week	Week	on Chart	RECREATION
1	1	64	Zork I · Infocom · AP, AT, CP/M, IBM, C64, DEC, TIP
2	4	19	Lode Runner · Broderbund · AP, VIC, AT, IBM, C64
3	2	39	Zaxxon · Datasoft · AP, TRS, AT
4	3	65	Choplifter · Broderbund · AP, AT, C64
5	5	64	Frogger · Sierra On-Line · AP, AT, IBM, C64
6	6	64	Deadline · Infocom · AP, TRS, AT, CP/M, IBM, C64, DEC, TIP
7	7	62	Zork II · Infocom · AP, AT, CP/M, IBM, C64, DEC, TIP
8	11	5	Ultima III · Origin Systems · AP, AT
9	8	60	Snooper Troops #1 · Spinnaker · AP, AT, IBM, C64
10	9	64	Temple of Apshai · Epyx · AP, VIC, AT, IBM, C64
11	12	54	Zork III · Infocom · AP, AT, CP/M, IBM, C64, DEC, TIP
12	33	66	Wizardry · Sir-Tech · AP
13	15	12	Legacy of Llylgamyn · Sir-Tech · AP
14	14	51	Castle Wolfenstein · Muse · AP, AT, C64
15	21	13	Planetfall · Infocom · AP, TRS, AT, CP/M, IBM, C64, DEC, TIP
16	10	36	Jump Man · Epyx · AP, AT, C64
17	19	51	Flight Simulator · Microsoft · IBM
18	31	22	Witness · Infocom · AP, TRS, AT, IBM, C64, DEC, TIP
19	30	60	Knight of Diamonds · Sir-Tech · AP
20	13	13	Telengard · Avalon Hill · AP, TRS, AT
21	16	51	Ultima II · Sierra On-Line · AP, AT, IBM
22	23	39	Ft. Apocalypse · Synapse · AT, C64
23	17	7	Enchanter · Infocom · AP, AT, IBM, DEC, TIP
24	18	19	Blue Max · Synapse · AT, C64
25	27	47	Miner 2049er · Micro Lab · AP, IBM
26	41	3	Pitstop · Epyx · AT, C64
27	25	35	Suspended · Infocom · AP, AT, IBM, C64, DEC, TIP
28	22	63	Sargon II · Hayden · AP, TRS, AT, C64, COM
29	45	8	Millionaire · Bluechip · AP, AT, CP/M, IBM, C64, DEC, TIP
30	20	55	Starcross · Infocom · AP, TRS, AT, CP/M, IBM, C64, DEC, TIP
31	26	54	"Night Mission" Pinball - Sublogic - AP, AT, IBM, C64
32		1	Infidel - Infocom - AP, AT, IBM, DEC, TIP
33		50	Flight Simulator II · Sublogic · AP, TRS
34	29	7	Pooyan · Datasoft · AT, C64
35	42	2	Murder by the Dozen · CBS Software · AP, IBM, C64
36	32	4	Sargon III · Hayden · AP
37	28	3	Popeye · Parker Brothers · AT
38	40	11	Star League Baseball · Gamestar · AT
39	35	56	Shamus · Synapse · AP, AT, C64
40	44	3	Star Trek · Sega · AT, C64

Infocom's Sales (1981-1984)





Shift to Business Products

- Original intentions
- Status
- Diversify products
- Monetary advantages
 - Higher profit margins
 - Consistent revenue stream

"We didn't want to be a \$10 million company. We wanted to be a \$100 million company."

-Tim Anderson



Cornerstone is Born

Cornerstone: relational database
Idea of two members from LCS
Work starts in 1982



Brian Berkowitz



Transition to Business Software

- Changes in management
 New CEO: Al Vezza
- 32 to 100 employees in 1984
- New, expensive office building
- Sought outside funding



Al Vezza



Trajectory of Growth



Trouble Arises

Costs up, revenues flat

Sales projections off
Inadequate funding

Clashes within company

Game profits → business division
Games vs. business work styles

Morale sank



Cornerstone Released in 1985



- Easy to use
- Not programmable, slow
- \$1.8 million in sales



Struggling to Make it

Debts

- Lost over \$4 million in 1985
- Bank called in loan
- Cut costs
 - Layoffs
 - Cornerstone axed



Activision Merger (1986)



Jim Levy (left) and Joel Berez (right) celebrating "InfoWedding" for Activision merger



Continuing Problems

Losses of \$200,000/quarter
Increased competition: Nintendo, Sega, graphics
Infocom dismantled in 1989





Reasons for Success

Games: right products at the right time
 Demographics matched products
 Graphics in infancy





Mystery House, 1980





Reasons for Success

Company culture excelled at making gamesGood marketing and public relations





Text vs. graphics



WOULD YOU SHELL OUT \$1000 TO MATCH WITS **|S?** best-seller. For the sim reason that Infocom offers you something as rare and valuable as anything in soft ware-real entertainment

MEET YOUR MATCH. MEET INFOCOM GAMES-PERHAPS THE BEST REASON IN SOFTWARE FOR OWNING A PERSONAL COMPUTER.

In fact, people have been known to purchase computers and disk drives solely for the purpose of playing our games. And they haven't been disappointed. Because Infocom's prose stimulates your imagination to a degree nothing else in software approaches. Instead of putting funny little creatures on your screen, we put you inside our stories. And we confront you with startlingly realistic environments alive with situations, personalities, and logical puzzles the like of which you won't find elsewhere. The secret? We've found the way to plug our prose right into your imagination, and catapult you into a whole new dimension.

If you think such an extraordinary experience is worth having, you're not alone. Everything we've ever written-ZORK" I, II, and III, DEADLINE," STARCROSS," and SUSPENDED"-has become an instant At last, you can fritter away your eve-

nings playing a computer game without feel-ing like you're frittering away your computer investment. Step up to Infocom. All words. No pic-

tures. The secret reaches of your mind are beckoning. A whole new dimension is in there waiting for you.



Infocom, Inc., 55 Wheeler St., Cambridge, MA 02138





Reasons for Failure

Engineering culture resisted graphics
 Cornerstone: wrong product, wrong time

 Performance and functionality
 dBASE III

 Lack of finances

 Spent money didn't have



What Can We Learn?

Business Lessons

- No universal strategy for success
- Buy time to improve and refine new products
- Success and failure not simple!





Thanks to...

Tim Anderson, Joel Berez, Brian Berkowitz, Marc Blank, John Brackett, Scott Cutler, Bruce Daniels, Mike Dornbrook, Stu Galley, Dan Horn, Richard Ilson, Barry Jacobson, David Lebling, Steve Meretzky, Mike Morton, Chris Reeve, Al Vezza, Richard Weissberg



Game Over

