

# WHY ARE WE HERE?

28<sup>TH</sup> OCTOBER 2005  
AUSTIN GAMES CONFERENCE

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## INTRODUCTION

- IT IS A TRUTH UNIVERSALLY ACKNOWLEDGED...
- THAT I'VE CALLED THIS TALK "WHY ARE WE HERE?"
  - I INCLUDE AS "WE" THOSE WHO **WOULD** HAVE BEEN HERE IF THEY HADN'T BEEN OUT "**NETWORKING**" UNTIL 2:30AM THIS MORNING
- I **DO** MEAN THE QUESTION QUITE LITERALLY: WHY ARE **ANY OF US** IN **THIS** LOCATION RIGHT **NOW**?
- THIS **IS** ACTUALLY A MEANINGFUL QUESTION...

DEEP AND MEANINGFUL



PUT ANOTHER WAY

- POINT OF FACT: YOU ARE **ALL** GOING TO **DIE**
- GIVEN THIS INFORMATION, WHY ARE YOU **HERE?** IN THIS CONVERTED **BALLROOM?**
- WHY **AREN'T** YOU IN
  - PARIS?
  - CHINA?
  - DARFUR?
  - BED?
  - **WORLD OF WARCRAFT?**
    - HMM, I GUESS SOME OF YOU **ARE** IN THERE...

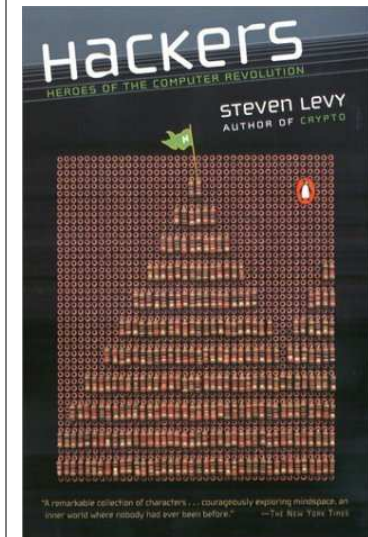
#### SHORT ANSWER

- WELL, YOU'RE HERE BECAUSE YOU'RE **MMORPG DEVELOPERS** AND THIS IS A **MMORPG DEVELOPERS' CONFERENCE**
  - OFFICIALLY, "NETWORKED GAME DEVELOPMENT" CONFERENCE...
- [ASIDE: I'M GONNA CALL THEM **VIRTUAL WORLDS**, NOT **MMORPGS**]
  - I'M NOT GIVING UP ON MY BOOK'S TITLE **YET**, DAMMIT!
- BUT THIS LEADS TO **ANOTHER** QUESTION:

#### ANOTHER QUESTION

- **WHY** ARE YOU [MMORPG] **VIRTUAL WORLD DEVELOPERS?**
- **WHY AREN'T** YOU
  - REGULAR GAME DEVELOPERS?
  - NOVELISTS?
  - TRUCK DRIVERS?
  - NUCLEAR POWER STATION SOFTWARE ENGINEERS?
  - LAWYERS?
  - LEVEL 80 ON **RUNESCAPE** WITH 2 BLUE MASKS, 2 GREEN MASKS, 2 SANTA HATS AND A **RED PARTY HAT?**
    - "BECAUSE IT WOULD COST ME \$5,100 ON EBAY" (44 BIDS, 13 HOURS TO GO, AND SIMBATAMER **REALLY WANTS** IT)

## HACKERS



NOTICE THE SUBTITLE

## ANSWERS

- SOME **POSSIBLE** ANSWERS:
  - YOU'RE A VW DEVELOPER PURELY BY **ACCIDENT**
  - YOU WANTED A NEW **CHALLENGE**
  - YOU GET TO **CREATE** WHAT YOU LIKE TO **PLAY**
  - YOU'RE *only* obeying orders
  - IT'S PART OF YOUR GRAND SCHEME FOR **WORLD DOMINATION**
  - DEVELOPING VIRTUAL WORLDS IS FUN!
- AN **IMPOSSIBLE** ANSWER:
  - FOR THE **MONEY**

#### ASSUMPTIONS

- OK, SO LET'S SAY YOU'RE HERE **WILLINGLY**, AND YOU'RE DEVELOPING VIRTUAL WORLDS BECAUSE YOU **WANT** TO
- THIS **SAYS** SOMETHING ABOUT YOU!
  - OF ALL THE THINGS YOU **COULD** HAVE DONE, YOU CHOSE **THIS** PARTICULAR THING
- YOU REMEMBER THE **TOMBSTONE**, RIGHT?
- WHY IS CREATING VIRTUAL WORLDS SO **IMPORTANT** TO YOU YOU'LL SPEND SOME OF YOUR ONE AND ONLY\* **LIFE** DOING IT?
  - \*MILEAGE FOR YOUR RELIGION MAY VARY

#### THE DUKE OF THRAIN

- SAID HE WAS **LAWFUL GOOD**, ACTED **CHAOTIC GOOD**



#### SOME HISTORY

- BACK IN THE EARLY DAYS OF COMPUTING, A **HACKER CULTURE** DEVELOPED IN COMPUTER LABS ACROSS THE GLOBE
  - DESCRIBED IN STEVEN LEVY'S BOOK, **HACKERS**
- THIS WAS **BEFORE** THE WORD "HACKER" WAS **STOLEN** BY THE MEDIA TO MEAN "A **NERD** WHO DOES **BAD** THINGS TO **COMPUTERS**"
- **ORIGINAL** HACKERS WERE PEOPLE WHO **PLAYED** WITH COMPUTERS JUST FOR THE SHEER **JOY** OF IT
- **I** WAS SUCH A HACKER

#### APPELLATION

- YOU ONLY GOT TO **BE** A HACKER IF ANOTHER HACKER **CALLED** YOU A HACKER
  - YOU COULDN'T DECLARE **YOURSELF** TO BE ONE
  - A BIT LIKE THE WORD **COOL** AT PRESENT
- MY HACKER QUALIFICATION: THE **NEW HACKER'S DICTIONARY** DESCRIBES A PROGRAM I CO-WROTE AS A **HACK**
- QUICK SHOW OF HANDS: HOW MANY OF YOU **KNOW** WHAT A **HACK** IS?
- HA! I **THOUGHT** AS MUCH!

#### HACKER ETHIC

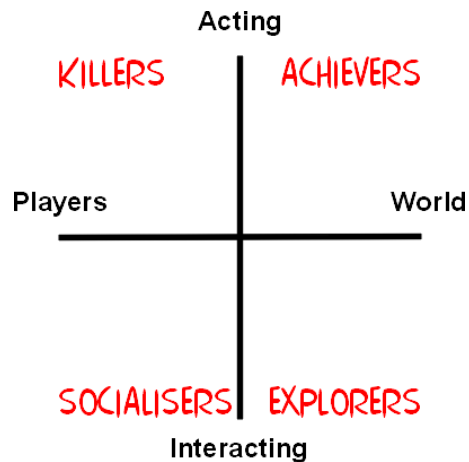
- LEVY IDENTIFIED THE **HACKER ETHIC**
  - ACCESS TO COMPUTERS SHOULD BE **UNLIMITED** AND **TOTAL**
  - ALWAYS YIELD TO THE **HANDS-ON** IMPERATIVE
  - ALL INFORMATION SHOULD BE **FREE**
  - MISTRUST AUTHORITY - PROMOTE **DECENTRALISATION**
  - HACKERS SHOULD BE JUDGED BY THEIR **HACKING**
  - YOU CAN CREATE **ART** AND *Beauty* ON A COMPUTER
  - COMPUTERS CAN **change** YOUR LIFE FOR THE **BETTER**

#### WHENCE HACKERDOM?

- WHERE DID THE HACKER ETHIC **COME** FROM?
- ANSWER: THE HACKERS BROUGHT IT **WITH** THEM
- WHEN I ARRIVED AT ESSEX UNIVERSITY IN 1978, THERE WAS AN **EXISTING** HACKER CULTURE ALREADY IN PLACE
- I DIDN'T **ADOPT** IT, THOUGH - I ALREADY **HAD** IT
  - THE HACKER ETHIC WAS JUST PLAIN **OBVIOUS**
  - IT WAS **MY** ETHIC AS FAR AS I WAS CONCERNED

## PLAYER TYPES

- THIS IS OUT OF DATE NOW



## CHANGING TIMES

- 25 YEARS AGO, PROGRAMMING WAS NOT AS IT IS TODAY...
- FEW **TOOLS**, FEW **LIBRARIES**, FEW **RESOURCES**, FEW **TEAMS**...
  - I WROTE A **COMPILER** AS MY FINAL-YEAR PROJECT
- YOU COULDN'T SUCCEED AS A PROGRAMMER UNLESS YOU **LOVED** PROGRAMMING
  - UNLESS YOU REGARDED IT AS **FUN**
- ONLY PEOPLE WITH AN **INNATE** HACKER'S ETHIC WERE **IN** THAT POSITION
- PROGRAMMING **SELECTED FOR** HACKERS



#### NOWADAYS

- IN **D&D** ALIGNMENT TERMS, THOSE ORIGINAL HACKERS WOULD BE **CHAOTIC GOOD**
  - MADE THEIR **OWN** RULES
    - BECAUSE THEY KNEW **BEST!**
  - ACTED FOR THE **BENEFIT** OF HUMANITY
- NEXT GENERATION WERE **LAWFUL GOOD**
  - TREATED PROGRAMMING AS **PUZZLE**-SOLVING
  - WERE STILL **IDEALISTIC**
- TODAY'S COMMERCIAL PROGRAMMERS ARE **LAWFUL NEUTRAL**
  - DO WHAT THE **SUITS** SAY, **WHATEVER** THEY SAY

#### IN DEFENCE OF SUITS

- IN COMMON WITH MANY OLD-TIMERS, I'M NOT ACTUALLY **AGAINST** SUITS *PER SE*
  - WHERE **ELSE** WOULD YOU GET **\$30M** TO DEVELOP A GAME?
- CREATIVE PEOPLE ARE **RARELY** GOOD AT COMMERCE
- **BUT** COMMERCE-SAVVY PEOPLE ARE EVEN **MORE RARELY** GOOD AT CREATIVITY
- IT'S NOT **SUITS** I OBJECT TO, IT'S SUITS WHO CALL THE **CREATIVE** SHOTS

#### WHERE ARE THEY NOW?

- SO WHERE HAVE ALL THE HACKERS **GONE**?
  - CAN THEY REALLY HAVE JUST **DISAPPEARED**?
- WELL, THEY'VE NOT SO MUCH DISAPPEARED AS **MIGRATED**
- IS THERE ANYWHERE TODAY THAT AN IDEALISTIC, MAVERICK, CREATIVE **GENIUS** WITH A LOVE OF PLAYING WITH SYSTEMS CAN **GO**?
- YES, THAT'S RIGHT, THEY GO INTO **VIRTUAL WORLD** DEVELOPMENT
  - THERE'S ACTUALLY A **REASON** FOR THIS

#### FURTHERMORE

- NOTE THAT THEY **DO** GO ELSEWHERE TOO
  - AT THE **FRONTIERS**, EG. MOBILE PHONE GAMES
  - **ACADEMIA**, ALTHOUGH THAT'S OFTEN DISPIRITING
- THERE'S A VERY **HIGH** CONCENTRATION IN **VIRTUAL WORLD** DEVELOPMENT, THOUGH
- THIS IS **NOT A COINCIDENCE!**
- HOW DID **YOU** GET INTO THE INDUSTRY?
- FOR MOST PEOPLE HERE, IT'LL BE BECAUSE YOU **PLAYED THE GAMES**

**WORLD OF WARCRAFT**

- **WORLD OF WARCRAFT, BLIZZARD, 2004:**



**EVERQUEST**

- **EVERQUEST, SONY ONLINE ENTERTAINMENT, 1999**



## DIKUMUD

### • DIKUMUD, COPENHAGEN UNIVERSITY, 1990

```
lx2l A barrel has been left here.  
An angry-looking statue of Hoturi is standing here.  
An angry-looking statue of Priapus is standing here.  
A statue of Odin is standing behind the altar.  
A Sign for Newbies is here.  
You are a guest here until you save yourself.
```

```
If you need  
to get to your guild, use the guild medallion in your inventory. If you lose  
it, pray to the statue of Odin for another.
```

```
105m/202e/38hlook  
temple of Udgaard
```

```
You are inside the small and humble village temple in Udgaard. A simple  
stone altar, with strange stone carvings, is placed against the north wall. A  
small humble donation room is to the east. The temple exit is south to the  
Village Square.
```

```
lx2l A barrel has been left here.  
An angry-looking statue of Hoturi is standing here.  
An angry-looking statue of Priapus is standing here.  
A statue of Odin is standing behind the altar.  
A Sign for Newbies is here.
```

```
105m/202e/38h
```

## ABERMUD

### • ABERMUD, ALAN COX, 1987

```
Your wimpy value is set to 15. See 'help change' to see what that means.
```

```
The Temple Of Paradise
```

```
You stand in the Temple of Paradise, a huge sandstone structure whose  
walls are decorated with ancient carvings and runes, some so old that even  
the priests no longer know their meanings.
```

```
A single set of steps lead south, descending the huge mound upon which the  
temple is built and ending in the forests below.
```

```
A roaring fire burns here. Its flames make the temple sparkle and glitter.
```

```
At your feet a huge sacrificial pit allows you to give valuables to the gods  
in the hope of being rewarded.
```

```
A furled umbrella lies here.
```

```
Obvious exits are:
```

```
North : Welcome Center
```

```
South : Forest Track
```

```
Down : Forest Track
```

```
Last login: Wed Sep 7 17:43:26 2005
```

```
>
```

## MUD

- MUD, ROY TRUBSHAW & RICHARD BARTLE, 1978  
– USUALLY CALLED **MUDI** THESE DAYS

Narrow road between lands.

You are stood on a narrow road between The Land and whence you came. To the north and south are the small foothills of a pair of majestic mountains, with a large wall running round. To the west the road continues, where in the distance you can see a thatched cottage opposite an ancient cemetery. The way out is to the east, where a shroud of mist covers the secret pass by which you entered The Land. It is raining.

\*w

Narrow road.

You are on a narrow east-west road with a forest to the north and Gorse scrub to the south. It is raining. A splendid necklace lies on the ground.

\*

## PERPETUATION

- ISN'T SELF-AGGRANDIZEMENT WONDERFUL?
- I'VE TOLD YOU ALL THIS BECAUSE **SOME** OF THE **DECISIONS** ROY AND I MADE WHEN WE WROTE **MUDI** ARE STILL **INTACT**
- EXAMPLE: WHY DOES **WOW** HAVE **LEVELS**?
  - BECAUSE **EQ** HAD LEVELS
    - BECAUSE **DIKUMUD** HAD LEVELS
      - BECAUSE **ABERMUD** HAD LEVELS
        - » BECAUSE **MUDI** HAD LEVELS
- **MUDI** HAD LEVELS BECAUSE I **GAVE** IT LEVELS

#### PROPAGATION

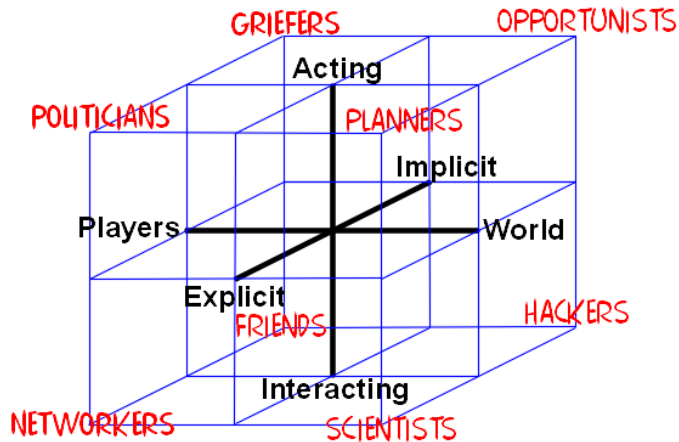
- MUCH OF THE **ARCHITECTURE** AND **GAMEPLAY** OF TODAY'S VIRTUAL WORLDS IS THE WAY IT IS **ONLY** BECAUSE, ULTIMATELY, THAT'S HOW IT WAS IN *MUD1*
- NOT **ALL**, OBVIOUSLY
  - *DIKUMUD* INTRODUCED CLASSES AND RACES
  - (*M59* AND) *EQ* INTRODUCED GRAPHICS
  - MANY **OTHER** REFINEMENTS
    - LATER DESIGNERS OFTEN DID IT **BETTER** THAN THEIR "PARENT" WORLD

#### CODE & CULTURE

- IT'S NOT **JUST** THE CODE, THOUGH
- WHY DO PLAYERS OF *WOW* CALL MONSTERS "MOBS"?
- BECAUSE WHEN I ADDED **MONSTERS** TO *MUD1*, I CALLED THEM **MOBILES** (FOR "MOBILE OBJECTS")
  - WE GOT THE WORD **NEWBIES** THAT WAY, TOO
- THE **CULTURE** OF VIRTUAL WORLDS **ALSO** PROPAGATES FROM PARENT TO CHILD

#### NEW PLAYER TYPES

- THIS IS THE CURRENT VERSION



#### ORIGINAL CULTURE

- THE BEHAVIOUR OF PLAYERS IN A VIRTUAL WORLD IS **SHAPED** BY ITS code AND ITS culture (WHICH ARE **INTER-RELATED**)
- **BOTH** OF THESE ARE, TO A LARGE EXTENT, **INHERITED** FROM THE **PARENT** VIRTUAL WORLD
  - IMMIGRANTS FROM THE **REAL** WORLD BRING A **TON** OF CULTURE WITH THEM TOO, OF COURSE
- *MUD* DIDN'T **HAVE** A PARENT VIRTUAL WORLD
  - SO WHERE DID **ITS** CULTURE COME FROM?

#### HACKERS

- *MUDI* GOT ITS CULTURE FROM THAT OF ITS **DESIGNERS**
  - ROY TRUBSHAW AND I
- IN OTHER WORDS, FROM THE **HACKER** CULTURE OF THE TIME
- IT WASN'T ALL **INCIDENTAL**, EITHER
  - HACKER CULTURE DIDN'T GET IN THROUGH MERE **OSMOSIS**
  - WE **DELIBERATELY** PROMOTED HACKER IDEALS
  - SOME OF THESE **PERSIST TO THIS DAY**

#### EXAMPLE

- EXAMPLE: **FREEDOM OF IDENTITY**
- I SAW *MUDI* AS A WAY OF GIVING PEOPLE THE FREEDOM TO BE WHO THEY **WANT** TO BE
  - IN OTHER WORDS, WHO THEY REALLY **ARE**
- I THEREFORE MADE IT AS **OPEN-ENDED** AS POSSIBLE
  - NO NARRATIVE, NO RAILS TO RUN ON
- VIRTUAL WORLDS STILL VALUE FREEDOM TO **BE**
  - DETERIORATING AT THE **EDGES**, THOUGH
    - CLASSES, RACES, INSTANCED DUNGEONS, STORY ARCS...



#### POLLY'S STORY

- DO I HAVE TIME TO TELL **POLLY'S STORY**?

#### FREEDOM

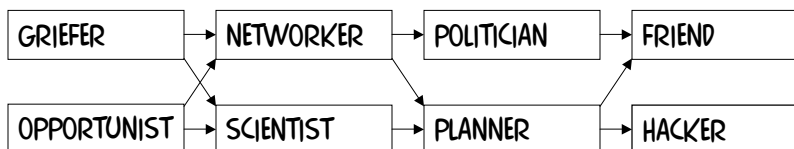
- I WANTED PEOPLE TO **EXPERIENCE** FREEDOM THROUGH PLAYING VIRTUAL WORLDS
- WITH FREEDOM COMES **UNDERSTANDING**
- FURTHERMORE, WHEN PEOPLE ARE **FREE**, THEY WANT **OTHERS** TO BE FREE
- PEOPLE WHO HAVEN'T KNOWN **TRUE** FREEDOM ABSOLUTELY **LOVE** IT WHEN THEY FIRST GET IT
  - BUT THEY HAVE TO **LEARN** WHAT IT MEANS...
  - AND THAT FREEDOM IS EASY TO **LOSE**, TOO...

#### SEEDS SOWN

- PEOPLE BRING MUCH **REAL-WORLD** CULTURE INTO VIRTUAL WORLDS
  - LANGUAGE, MORALITY, SOCIAL **NORMS**
- HOWEVER, THE TRAFFIC IS **NOT** ALL ONE WAY
- PEOPLE **CHANGE** IN VIRTUAL WORLDS
  - THEY BECOME **MORE** OF WHO THEY **ARE**
- SOME OF WHAT THEY **LEARN** THERE, THEY BRING **BACK** TO THE **REAL** WORLD
- AND **WHAT** THEY LEARN IS INFORMED BY (ULTIMATELY) **HACKER ETHICS**

#### DEVELOPMENT TRACKS

- WHEN THEY PLAY VIRTUAL WORLDS, PLAYERS FOLLOW **DEVELOPMENT TRACKS**



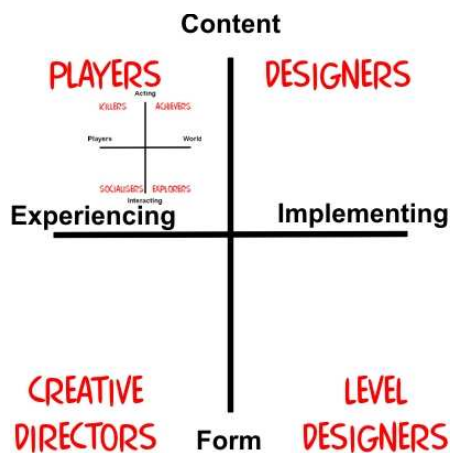
- THEY START OFF ON THE **LEFT** AND WORK THEIR WAY TO THE **RIGHT**
- TWO END POINTS: **FRIENDS** AND **HACKERS**
  - THAT WORD "HACKER" WAS CAREFULLY CHOSEN...
- THE HERO'S JOURNEY – VW HACKERS **ARE** HEROES!

## YOU

- **YOU** HAVE PLAYED ONE OR MORE VIRTUAL WORLDS **RIGHT** THE WAY THROUGH
- YOU'VE **GROKED** THE CONCEPT
- YOU ARE, FOR VIRTUAL WORLDS, A **HACKER**  
– OR A **FRIEND**
  - OR PROBABLY **BOTH**, AS THE DEVELOPMENT PATHS EXTEND A LITTLE FURTHER RIGHT ONCE YOU'VE “WON”
- OK, SO YOU'D PROBABLY HAVE BEEN A HACKER **ANYWAY**, GIVEN THE CHANCE
- BUT VIRTUAL WORLDS **GAVE** YOU THAT CHANCE!

## A NEW PATH

- I DIDN'T WANT TO DISAPPOINT YOU...

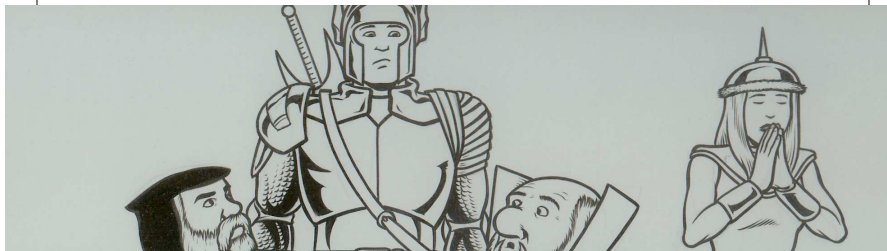


#### THE WHEEL TURNS

- **YOU** KNOW WHAT VIRTUES VIRTUAL WORLDS DELIVER, SO NOW YOU WANT **OTHERS** TO EXPERIENCE THEM
  - FREEDOM, TOLERANCE, INDIVIDUALITY, IMAGINATION, ART, REBELLION, **UNDERSTANDING**
- THE BASIC IDEALS THAT **YOU** INSTIL IN YOUR GAMES WILL AFFECT **YOUR** PLAYERS
  - **MILLIONS** OF THEM
- SOME OF **THOSE** WILL BECOME DESIGNERS AND PASS THESE SAME IDEALS ON TO **THEIR** PLAYERS
  - AND SO ON, *AD INFINITUM*
    - YOU THOUGHT MY REFERENCE TO **WORLD DOMINATION** WAS A **JOKE**?

#### UNTOUCHABLE TRIO PLUS 1

- AWARE THEY'RE CHAOTIC GOOD, UNAWARE OF THEIR EFFECT ON THE WORLD



#### NOT THE FULL STORY

- OK, SO WE'RE **CLOSE** TO ANSWERING THE QUESTION "WHY ARE WE HERE", BUT WE'RE NOT **QUITE** THERE YET
- IF HUMANISTIC ALTRUISM WAS **ALL** THERE WAS TO IT, YOU'D BE IN **DARFUR**
- ASSERTION:
  - **PLAYERS** PLAY VIRTUAL WORLDS TO EXPLORE THEIR IDENTITIES
  - **DEVELOPERS** CREATE THEM FOR THE **SAME REASON**

#### THUS:

- YOU CREATE VIRTUAL WORLDS BECAUSE YOU CAN PUT A PIECE OF YOUR **SOUL** INTO THEM
- YOUR **VIRTUAL WORLDS** ARE AN EXPRESSION OF **YOU**
  - YOUR WORK **REFLECTS** ASPECTS OF YOUR IDENTITY, BELIEFS, HOPES, FEARS, DEMONS...
- **THROUGH** DEVELOPING VIRTUAL WORLDS, YOU DEVELOP **YOURSELF**
- THIS PUTS YOU IN A **RARE** AND **PRIVILEGED** POSITION:
  - THAT OF **ARTIST**

#### THE ANSWER

- SO, **WHY ARE WE HERE?**
- WE'RE HERE BECAUSE WE **CREATE VIRTUAL WORLDS**
- WE CREATE VIRTUAL WORLDS BECAUSE THAT'S THE LATTER-DAY HACKER'S MEDIUM FOR **SELF-EXPRESSION**
- AND WE **USE** THAT MEDIUM BECAUSE WE **ARE** SUCH LATTER-DAY HACKERS
  - AND WE'RE **HACKERS** BECAUSE VIRTUAL WORLDS **SELECT** FOR HACKERS

#### THE FUTURE

- CONSIDER WHAT'S GOING ON HERE:
- **YOU** PUT A **PIECE** OF YOURSELF INTO YOUR VIRTUAL WORLDS
- PEOPLE WHO **PLAY** THOSE WORLDS **ATTUNE** TO THAT
  - YOU **SPEAK** TO THEM THROUGH YOUR GAME
- YOU'RE TALKING TO AN AUDIENCE OF **MILLIONS**
  - **ALL** OF WHOM WANT TO LISTEN
- YOU HAVE **REAL INFLUENCE** HERE!

#### CONCLUSION

- PEOPLE: THROUGH YOUR **VIRTUAL** WORLDS YOU HAVE THE **REAL** WORLD IN YOUR HANDS
  - NO, REALLY, YOU **DO!**
- YOU HAVE **GREAT POWER** AT YOUR DISPOSAL
  - MATCHED BY YOUR **GREAT RESPONSIBILITY**
    - YOU MAY BE **CHAOTIC**, BUT YOU'RE **CHAOTIC GOOD**
- **YOU CAN c h @ n g e** THE **WORLD** - THE **REAL** WORLD - FOR THE BETTER
- JUST SO LONG AS YOU **RECOGNISE** WHAT YOU CAN **DO** THROUGH YOUR VIRTUAL WORLDS...

#### LAST SLIDE

- ...AND SO LONG AS YOU **DON'T** LET THE **SUITS** DESIGN THEM!

