



TOTOTHEO

MARITIME

Presenter: Howard Hughes
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Cyber Security

The Human Element



Please help this man!



REQUEST FOR ASSISTANCE-STRICTLY CONFIDENTIAL

I am Dr. Bakare Tunde, the cousin of Nigerian Astronaut, Air Force Major Abacha Tunde. He was the first African in space when he made a secret flight to the Salyut 6 space station in 1979. He was on a later Soviet spaceflight, Soyuz T-16Z to the secret Soviet military space station Salyut 8T in 1989. He was stranded there in 1990 when the Soviet Union was dissolved. His other Soviet crew members returned to earth on the Soyuz T-16Z, but his place was taken up by return cargo. There have been occasional Progrez supply flights to keep him going since that time. He is in good humor, but wants to come home.

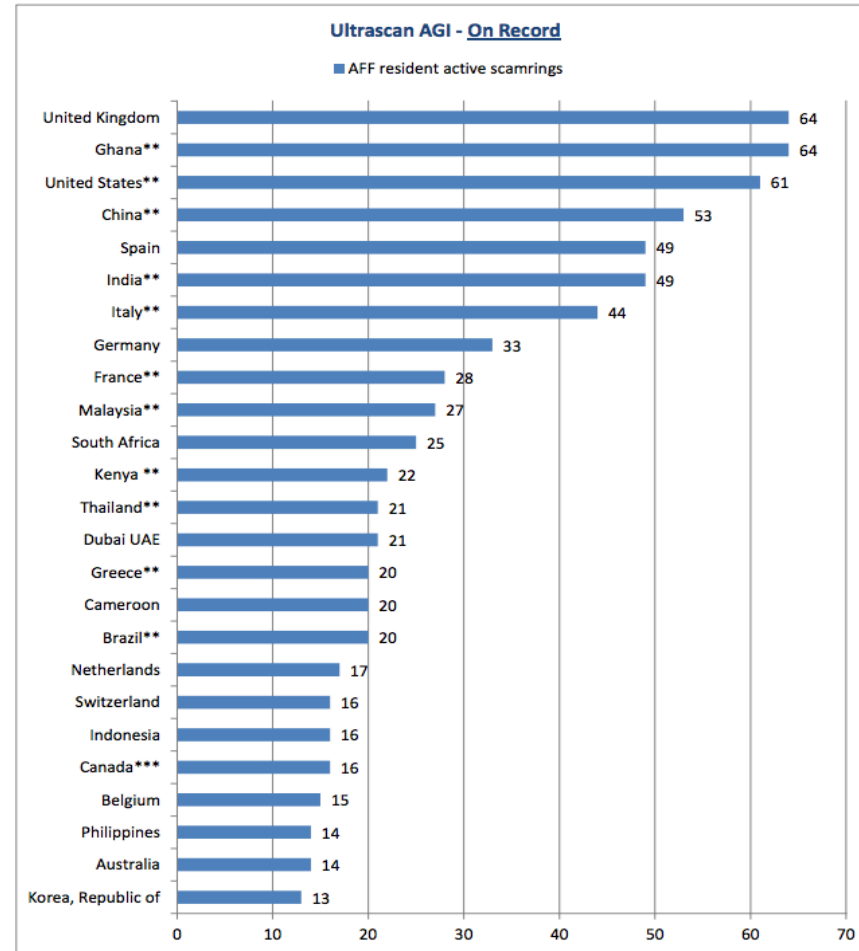
In the 14-years since he has been on the station, he has accumulated flight pay and interest amounting to almost \$ 15,000,000 American Dollars. This is held in a trust at the Lagos National Savings and Trust Association. If we can obtain access to this money, we can place a down payment with the Russian Space Authorities for a Soyuz return flight to bring him back to Earth. I am told this will cost \$ 3,000,000 American Dollars. In order to access the his trust fund we need your assistance. Consequently, my colleagues and I are willing to transfer the total amount to your account or subsequent disbursement, since we as civil servants are prohibited by the Code of Conduct Bureau (Civil Service Laws) from opening and/ or operating foreign accounts in our names.

Needless to say, the trust reposed on you at this juncture is enormous. In return, we have agreed to offer you 20 percent of the transferred sum, while 10 percent shall be set aside for incidental expenses (internal and external) between the parties in the course of the transaction. You will be mandated to remit the balance 70 percent to other accounts in due course.

419 Advanced Fee Scam

- While amusing, people do fall for it
- As of 2013, approx. \$12.3bn has been made
- Massive emotional impact to victim
 - Divorce, loss of friendships, violence against victims
- Not all of them are so obvious
- Facebook hacking – friend asking for help
- Keep your passwords strong, and safe

- | | | |
|-------------|--------------|--------------|
| 1. password | 10. dragon | 19. shadow |
| 2. 123456 | 11. baseball | 20. 123123 |
| 3. 12345678 | 12. 111111 | 21. 654321 |
| 4. qwerty | 13. iloveyou | 22. superman |
| 5. abc123 | 14. master | 23. qazwsx |
| 6. monkey | 15. sunshine | 24. michael |
| 7. 1234567 | 16. ashley | 25. football |
| 8. letmein | 17. bailey | |
| 9. trustno1 | 18. passw0rd | |



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Amsterdam
The Netherlands

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www.totottheo.com



HOW TO IDENTIFY PHISHING SCAMS AND PROTECT YOURSELF

1 Deceptive Phishing



Email messages claiming to come from recognized sources ask you to verify your account, re-enter information, or make a payment.

SCAM'S OBJECTIVE:
Trick you into providing the details they need to access your bank account.

HOW TO AVOID IT:
Look out for generic greetings or requests for information that the sender should already have.



LETS PLAY A GAME



quickmeme.com

www.tototheo.com



----- Forwarded message -----

From: **Caroline Nicholse** <bpickel@cox.net>

Date: Wed, Apr 13, 2016 at 1:27 PM

Subject: NET-45 Invoice - Lehigh University

To:

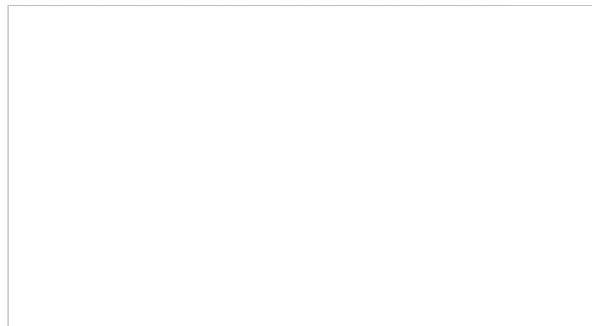
Dear

Here's the invoice for Lehigh University. We we are hoping for your early payment of \$1,277.00.

Thanks for your business!
Nordea Bank Finland Plc, New York Branch

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Hi Howard,

Sherene McDonald joined your shared folder "Friday with the Girls"!

You and Sherene will both get 500 MB free when Sherene installs Dropbox.

Happy sharing!
– The Dropbox Team

© 2014 Dropbox

From: "FedEx." <xxxxxxx@berkeley.edu>

To:

Date: Tue, Jan 3, 2017

FedEx

Dear Customer,

We could not deliver your item.

You can review and print complete details of shipping duty on your order.

Thanks

PDF Attachment: update_Form.pdf

From: "Sass, Bradley" <sass@tamhsc.edu>

Subject: Your Dropbox File

Date: Mon, 30 Jan 2017



Hello,

You just received a file through Dropbox Share Application.
Please click below and log in to view file.

[View file](#)

Every time a friend installs Dropbox, we'll give both of you 1 GB of space for free! Need even more space? Upgrade your Dropbox and get 1 TB (1,000 GB) of space.

Happy Dropboxing.

- The Dropbox Team

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My security for Internet Banking: HSBC Bank UK - Windows Internet Explorer

https://www.hsbc.co.uk/1/2/1ut/p/1cxm/04_5j9SPykssy0xPLMnMz0vM0Y_QjzKLNHo3BnYF5ZnFW6Ybm-pHmsWbozt7C

File Edit View Favorites Tools Help

My security for Internet Banking: HSBC Bank UK

HSBC The world's local bank

Site map | Contact us | HSBC Group

Personal Business


HSBC United Kingdom

Financial Planning HSBC Premier HSBC Plus Current accounts Savings Investments Credit Cards Loans Mortgages Insurance International

My security for Internet Banking

You are logging on as If this is not your Internet Banking user ID [click here.](#)

Please enter: **date of birth** (ddmmyy):

The **FIRST** and **SECOND** and **FOURTH** digits of your Security Number: 

Your Security Number in full

[Back](#) [Continue](#)

Internet Banking
Personal
Register ▶ Security ▶ Information ▶

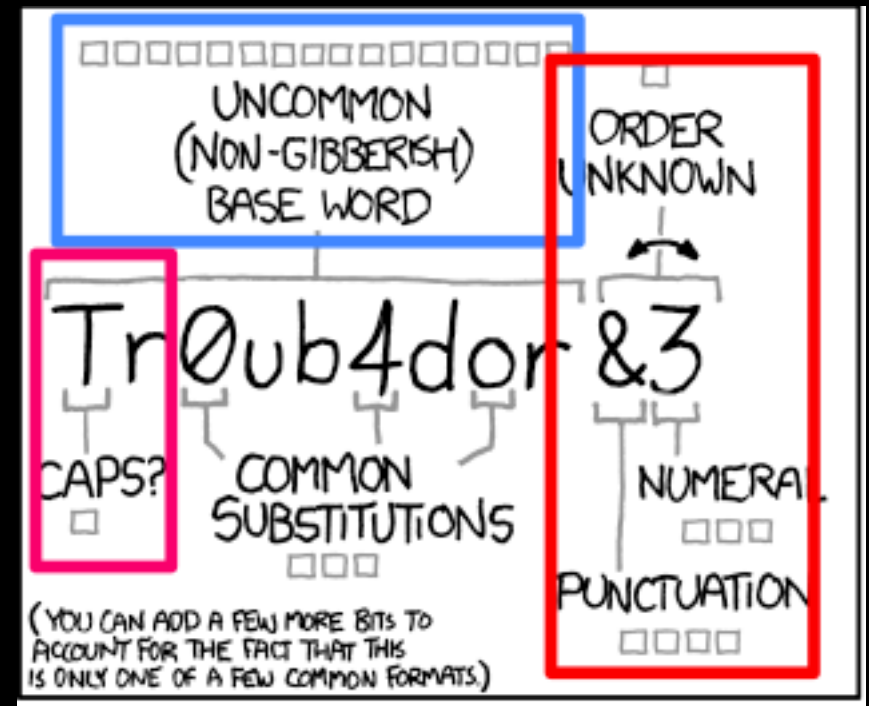
File Folder 21/12/2009 09:29

Data Privacy

- Keep Passwords safe
- Be cryptic, use characters and numbers
- Passwords are not perfect
- Consider 2FA where available
- Password manager software
- Anti-Virus software – keep it up to date!

privacy





SOCIAL ENGINEERING

The clever manipulation
of the natural human
tendency to trust.



Social Engineering

Phishing	Pretexting	Baiting	Quid pro quo	Tailgaiting
An attempt to gain personal information. Often using emails with malicious links	Creating a scenario where the victim feels compelled to pass over critical information	Similar to Phishing, except offering the promise of something in return; free music or software	"Something for something" The most common is a caller pretending to be from Microsoft	Normally a physical attempt. Following someone into a building, pretending to be an IT Contractor

Who's at risk?

- You!
- Me
- Everyone!
- Humans are fallible
- How does the industry combat this?

Time to introduce the panel

Q: How do we keep the Crews educated? And who should hold the responsibility?

Q: Is enough being done by
Security Solution providers after
the sale?

Q: ECDIS training has been problematic in the past. Can we learn from this with Cyber?



Same people, same values, **we evolve.**

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