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*Economic Espionage
Madeline Payne
FBI Headquarters*

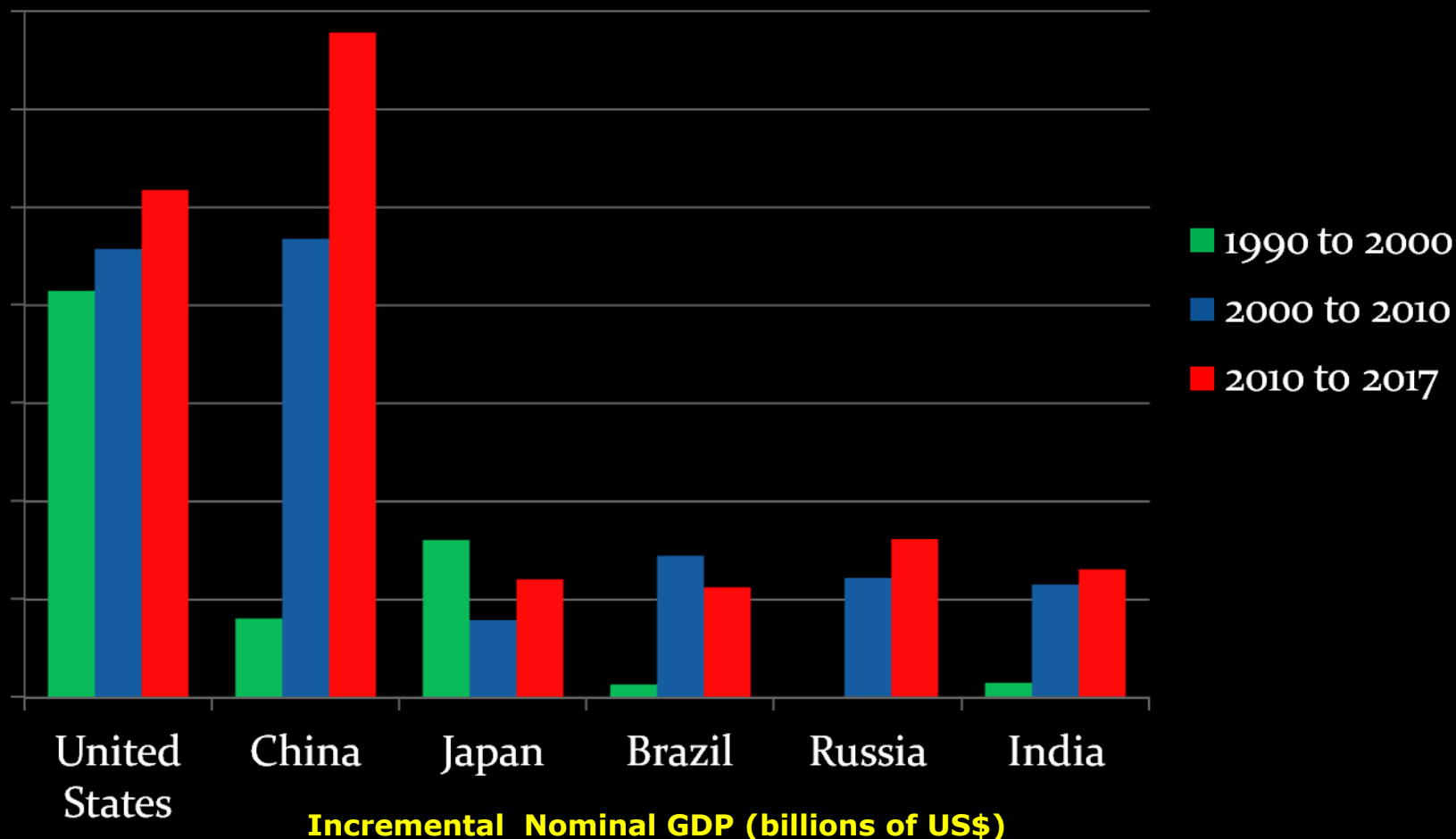


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Economic Security = National Security

Changes in the Global Economy

2000 -> 2010->2017



Incremental Nominal GDP (billions of US\$)

Source: IMF

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**World's
largest exporter.**



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1992 - 2012



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What is Economic Espionage?

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1996 Economic Espionage Act

- Title 18 USC 1831
- Title 18 USC 1832



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"By failing to prepare, you are preparing to fail." Ben Franklin



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Examples of Trade Secrets

Software

Marketing plans

Customer lists

Source codes

Pricing information

Technical drawings

Chemical formulas

**“...as much
as \$200 billion...”**

- FBI Director Robert S. Mueller III



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Victims



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State-sponsored and Domestic Threats

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Insider Threat



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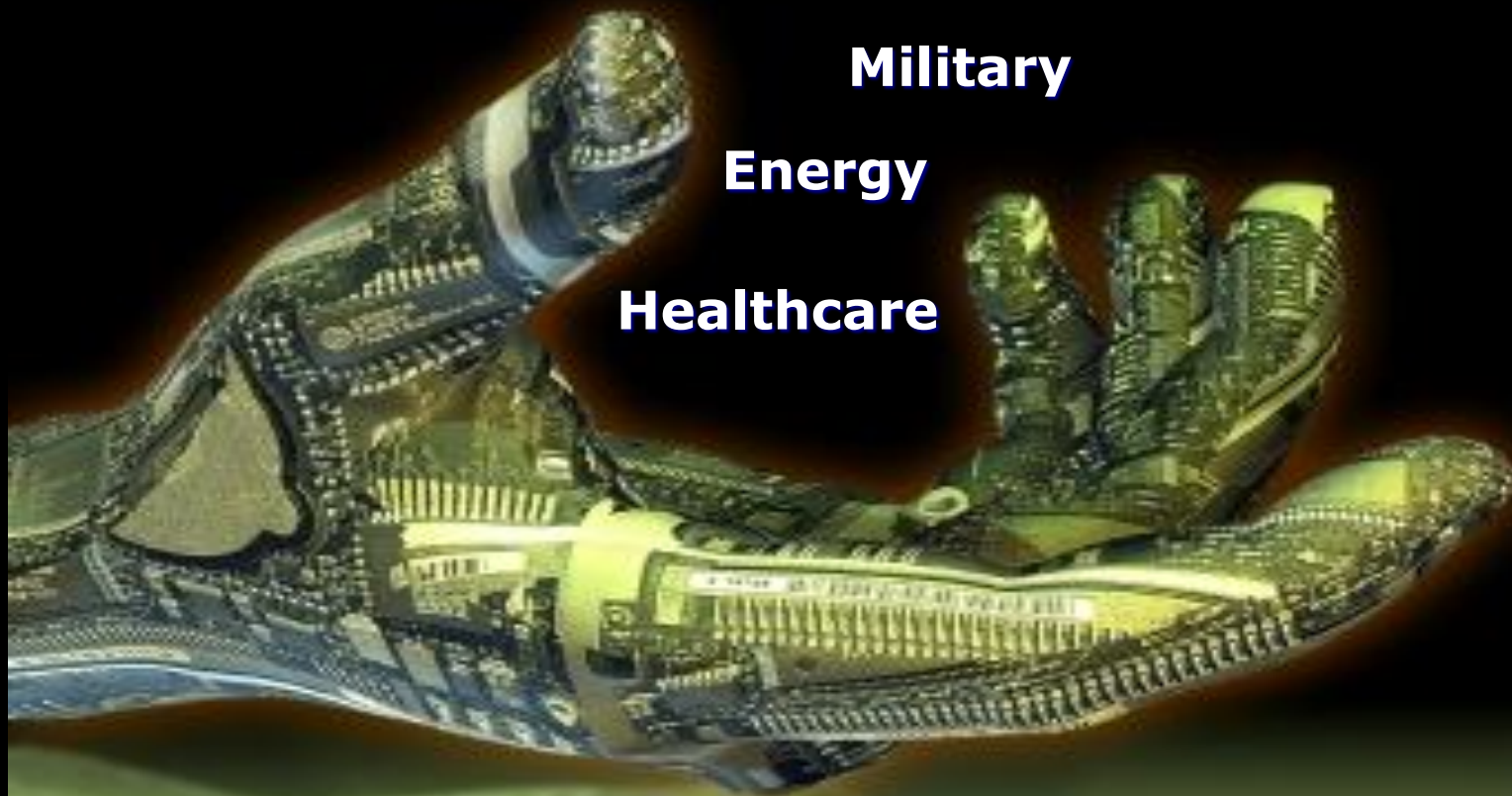
IT & Communications

Business Information

Military

Energy

Healthcare



Dual-Use and Next-Generation technologies are the most targeted.

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Today's corporate secrets
are lost in a matter
of seconds through
electronic means.



Vulnerabilities

Requests for information

Acquisition of technology

Cyberspace

Conferences, Trade Shows

Foreign Travel

Official Visitors

Joint Ventures

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Victim Company Coordination

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**My company is
a victim of
economic
espionage.**

Now what?



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Good witnesses count!



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Arrange Interviews w/FBI



Identify Trade Secrets



Identify Contractual Agreements



Identify Others To Notify



Other items:

- Identify key people
- Obtain stolen info
- Review digital media
- Obtain computer banner
- Retain all records

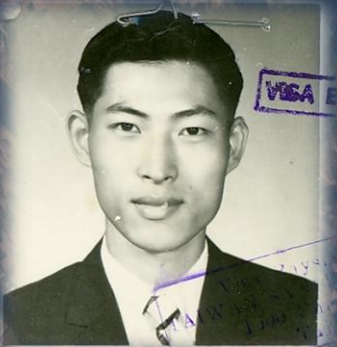


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Case Examples

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DONGFAN "GREG" CHUNG



- Dated May 1987
- Found at Chi Mak's residence (June 2006)
- Photocopy of original
- Addressed to Greg and Ling CHUNG
- Signed "Gu Weihao"

"...having difficult technical issues...need you to collect Space Shuttle information..."

"...meet in Guangzhou...which is very safe."

四月外首给你信上-信谅已收到, 文未接时

"...previous information you provided will surely be of great help..."

遗憾, 但我确实一些重要的信息和你们面谈

"Unlike with previous managers...you'll be allowed to take cash out of the country..."

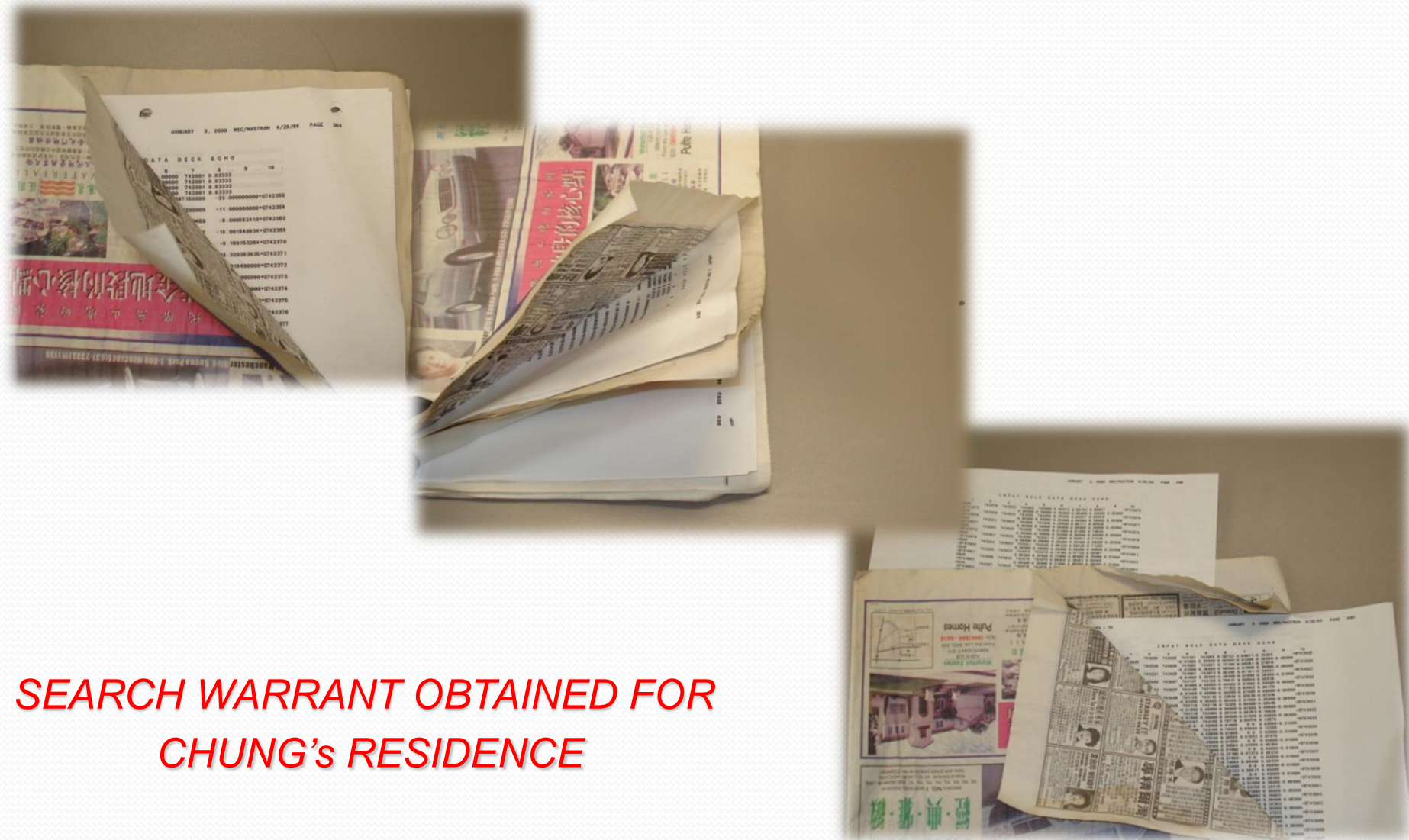
你们公司的工作, 为人做事, 名声可非, 你们可以

"...use your wife/art as an excuse to travel...use Chi Mak to pass information..."

做这件事, 你们的心, 你们的心, 你们的心

"It's your honor and China's fortune to dedicate yourself to serving China."

One man's trash is another man's treasure



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18 USC 1831 & 1832



WALTER and CHRISTINA LIEW

San Francisco

Victim: DuPont

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18 USC 1832



Roberts



Howley

Knoxville

Victim: Goodyear

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18 USC 1832



YUAN LI

Newark

Victim: Sanofi Aventis

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18 USC 1832



JOYA WILLIAMS

Atlanta

Victim: Coca Cola

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Our real victims

Manufacturing Jobs



Devastated Communities



American Economy

Resources

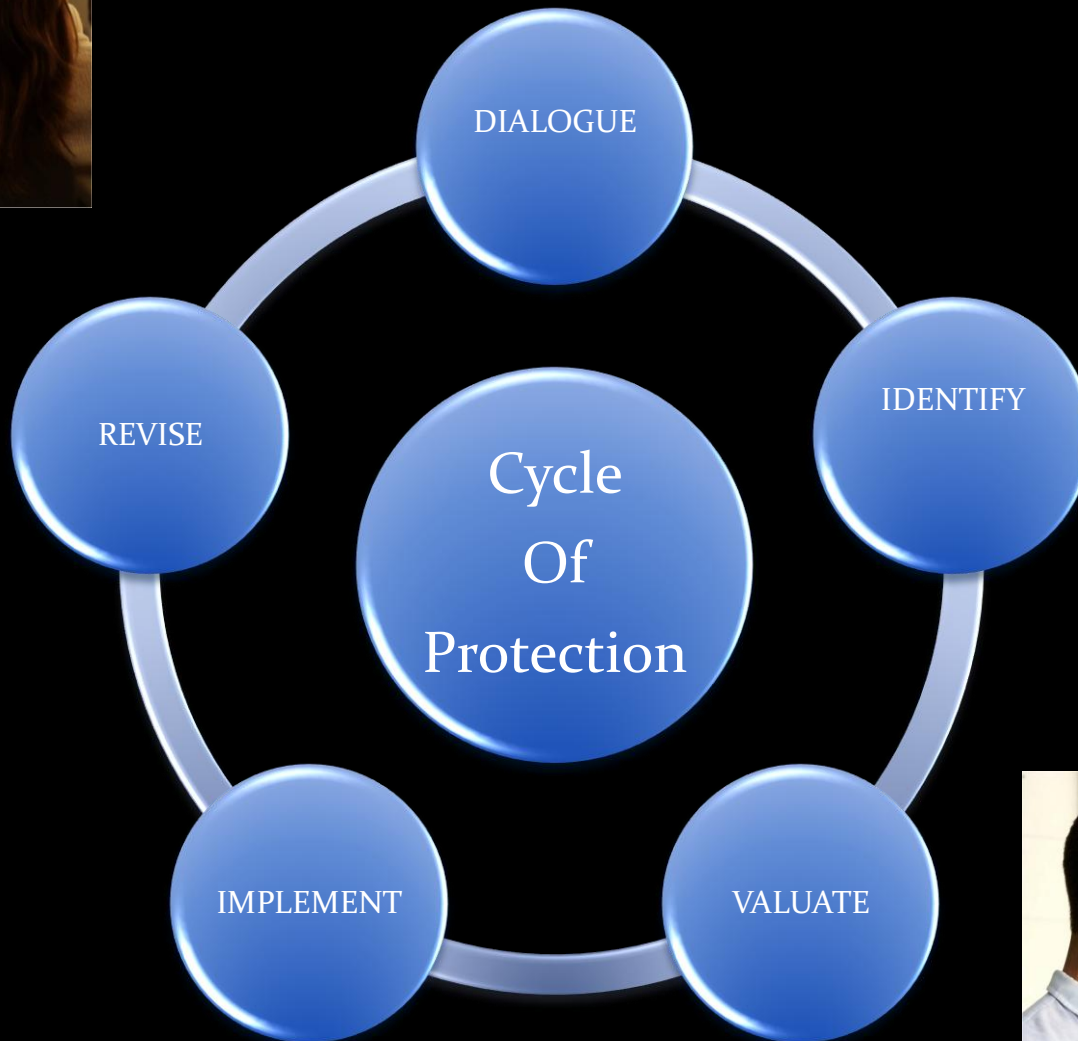
Books: **Tiger Trap** by **David Wise**

Secrets Stolen; Fortunes Lost
by **Christopher Burgess and**
Richard Power

Websites: **FBI.gov** (search "FBI
Strategic Partnerships")

Cybercrime.gov

Conclusion



Questions?

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