

**BIOTERRORISM 2001:  
LESSONS LEARNED &  
REMAINING UNCERTAINTIES**

**Leonard A. Cole  
Department of Political Science  
Rutgers University--Newark, NJ**





# GRUINARD ISLAND

THIS ISLAND IS  
GOVERNMENT PROPERTY  
UNDER EXPERIMENT.

THE GROUND IS CONTAMINATED  
WITH ANTHRAX AND DANGEROUS.  
LANDING IS PROHIBITED.

BY ORDER 1983





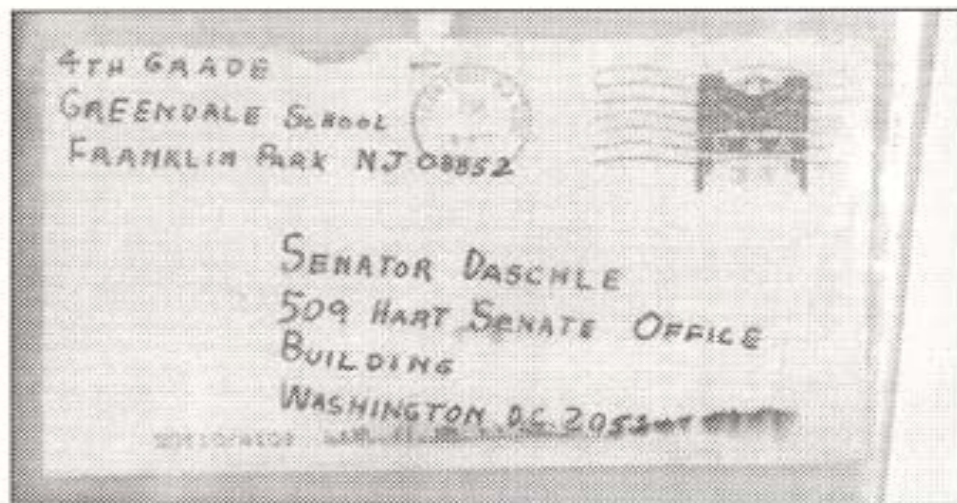
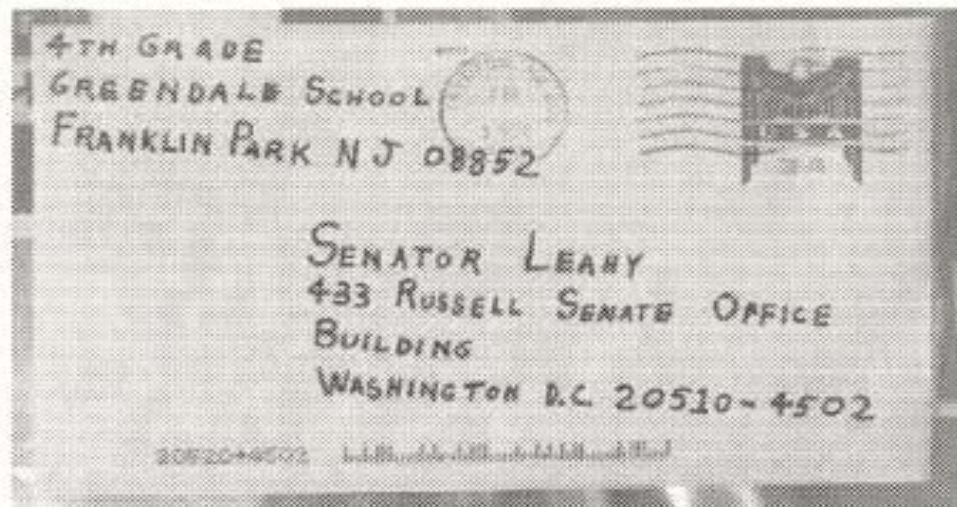
**9-11**

**10-4**

---

2001 Press Releases  
FBI Homepage

---





09-11-01

THIS IS NEXT

TAKE PENACILIN NOW

DEATH TO AMERICA

DEATH TO ISRAEL

ALLAH IS GREAT



EDITOR  
NEW YORK POST  
1211 AVE. OF THE AMERICAS  
NEW YORK NY 10036-3

John K. Paffery  
Hamilton Post Office  
Hamilton, NJ





Senior Citizens and Customers  
with Disabilities with proper ID  
including Reduced-Fare MetroCard  
and Medicare card

**MetroCard**

hours of paying fare

\$80 maximum purchase

you get \$15 or more on the

**MetroCard**

and bus rides for any 7-day period

and bus rides for any 30-day period

**\$120** Unlimited express fare

any 30-day period

any day of use

bus transfers

THE POLICE NEED YOUR HELP



**Kathy Nguyen**

Vietnamese Name "Xim Thi Nguyen"  
Height: 5 feet tall Weight: 120 pounds

On Sunday October 28, 2001, Kathy Nguyen entered Queens 230  
Hospital complaining of stomach pain and absence of bowel and  
urine. She died on October 31, 2001. The cause of death has been  
attributed to tubular ectasia.

The FBI, NYCTA, NYU Department of Health and other  
authorities are looking for anyone who saw her or knows of her movements and  
activities between October 11, 2001 and October 25, 2001 please call

Task Force Hotline: 646 259-8519  
212 384-8309  
646 259-5497



ABREU A.

3Q

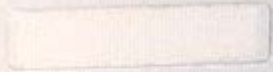


NGUYEN XINH K.

3R



8



3S









- Pre-Oct. 4: “About 8,000 to 10,000 spores are typically required to cause pulmonary anthrax.” Jane’s Chem-Bio Handbook (1998)
- Post-Oct. 4: “[T]he assumption of a threshold is untenable. It should be presumed that even one spore can initiate inhalation anthrax. . . .” M. Meselson (Oct. 29, 2001)

- **Pre-Oct 4:** After exposure to anthrax spores, ciprofloxacin is recommended by experts as the antibiotic of choice. *JAMA* (May 12, 1999)
- **Post-Oct 4:** CDC recommends doxycycline over ciprofloxacin--seen as less a problem with antibiotic resistance. *NY Times* (Oct. 30, 2001)

- Pre-Oct. 4: “[P]ost-exposure prophylaxis” should include “3 doses of vaccine before antibiotics are discontinued.” Jane’s Chem-Bio Handbook (1998)
- Post-Oct. 4: Reported treatments have not usually mentioned vaccinations.

- Pre-Oct. 4: Nothing in literature about ability of spores to leak through envelopes (paper) or about cross-contamination.
- Post-Oct. 4: “[C]ross-contamination of mail and the special vulnerability of postal workers are 2 of the most unexpected epidemiological findings thus far.” JAMA (Nov. 28, 2001)

- Pre-Oct. 4: Decontamination of “a building following an exposure ... would be extremely difficult and is not indicated.” JAMA (May 19, 1999)
- Post-Oct. 4: Anthrax in the mail “has spread readily to some 20 postal facilities.... Today, no one talks about leaving it in place. Offices are scrubbed and fumigated before they are deemed safe enough to enter.” P. Boffey, NY Times (Dec. 7, 2001)

- “Chest X-ray examination usually shows the characteristic widening of the mediastinum.” Textbook of Military Medicine [CBW] (1997)
- Mediastinal widening on chest X-rays was not evident in 4 of 11 inhalation anthrax cases (Oct./Nov. 2001) Emerg. Inf. Dis (2001); JAMA (2002)

- Pre-Oct. 4: Have anthrax cases occurred in the past and been misdiagnosed?
- Post-Oct. 4: Unlikely--The “overwhelming sepsis ... is tough to miss.” [A. Fauci] Quite Possibly--Masked by antibiotics dispensed without clear diagnosis [J. Pagano], and decline in number of autopsies. NY Times (Dec. 4, 2001)

- Past Army Germ Warfare Tests Included Releasing Simulant Agents from:
  - boat off-shore (San Francisco)
  - automobiles--fake exhaust pipes (Minneapolis, St. Louis)
  - rooftop generators (Minneapolis)
  - perforated suitcases (Wash. D.C. terminals)
  - low flying airplanes (Midwest states)
  - smashed light bulbs (New York subway)
  - **But Not via Mail**



# INVESTIGATORS ARE SEEKING INFORMATION

to identify all contacts and locations  
frequented by  
Mrs. Ottilie Lundgren (deceased) from

**9/13/2001 - 11/21/2001**

Anyone who observed, spoke to Mrs. Lundgren,  
or who has information about her  
activities during this time period,  
is requested to call:

**(203) 777-6311**



(AP PHOTO)

This number is staffed 8 a.m. to midnight daily by investigators  
from the Federal Bureau of Investigation, Connecticut State Police,  
U.S. Postal Service, Centers for Disease Control and/or  
state Department of Public Health.



- The Most Important Front Line Defender May Be the Emergency Room Physician
- Early Diagnosis and Treatment Are Important but Delayed Treatment May Be Successful
- No Single Early Diagnostic Method Is Foolproof
- Manner of Agent Delivery May Differ from Expectations



