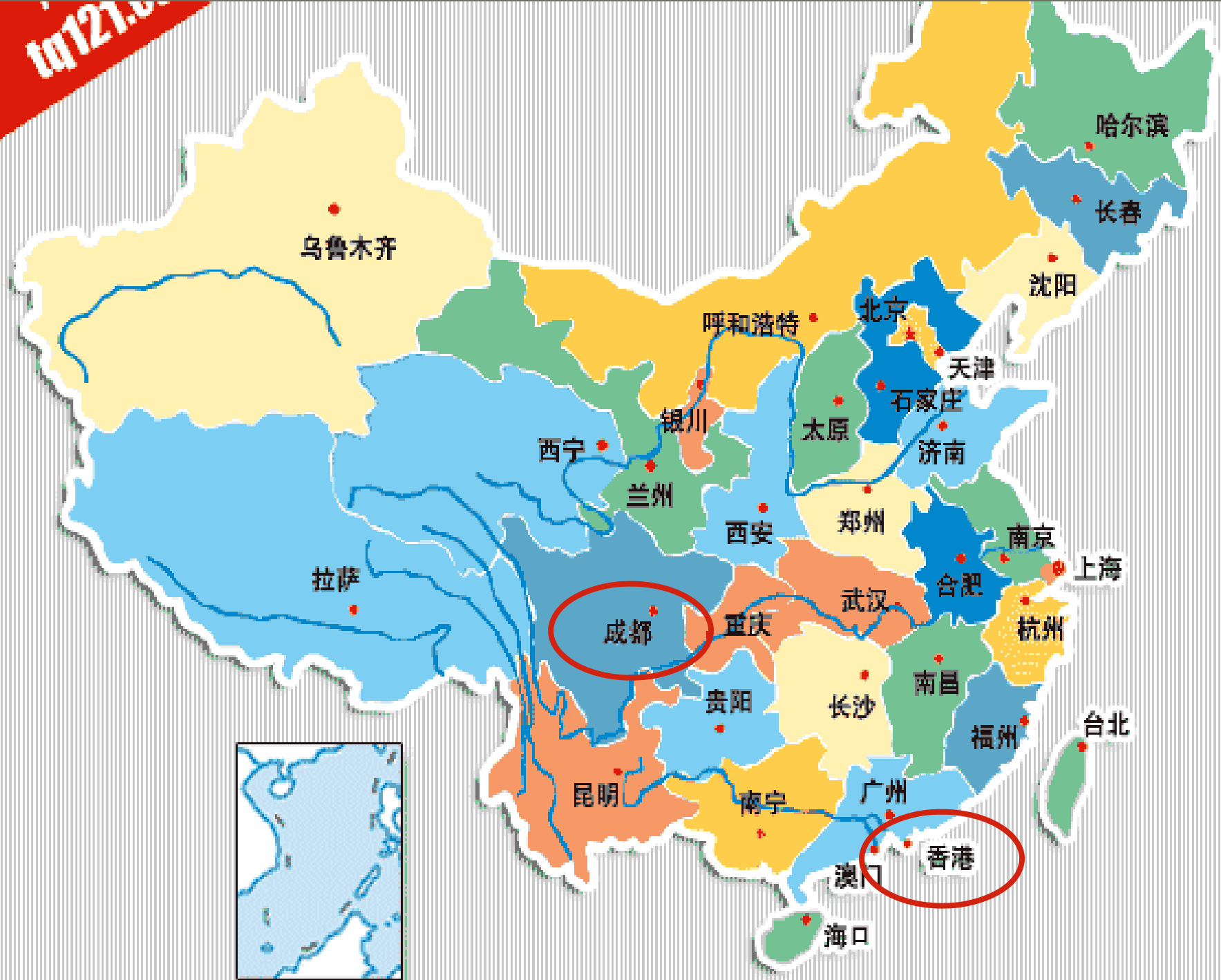


Sichuan 512 catastrophe: rebuilding libraries after the earthquake

Julia L.Y. Chan
Medical Librarian
Branch Libraries Services Team Leader
Yu Chun Keung Medical Library
University of Hong Kong
Hong Kong, China

Dr Anthony W. Ferguson
University Librarian
University of Hong Kong
Hong Kong, China

10121.0





12 May 2008 14:28 hours

China's catastrophic 7.9-magnitude earthquake

Earthquake Affected Provinces



Source: United Nations Children Fund (UNICEF)

SICHUAN

WENCHUAN

Mianyang □

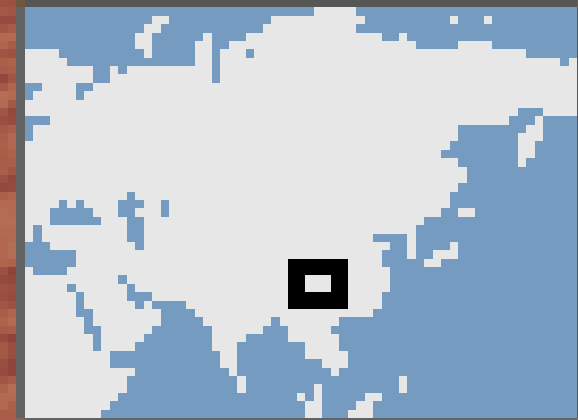
□ **Mianzhu**

□ **Yingxiu**

Epicentre □ **Dujiangyan**

□ **Chengdu**

Source: BBC



China Earthquake Administration Report

- Earthquake occurred along the Longmenshan (龍門山) fault
- The rupture lasted close to 120 sec.
- Starting from Wenchuan (汶川), the rupture propagated at an average speed of 3.1 km per sec 49° toward north east, rupturing a total of about 300 km
- Maximum displacement amounted to 9 m
- The focus was deeper than 10 km

**Animation of the Wenchuan
512 Earthquake
(by Chinese Academy of Sciences)**

**Illustrates how the earthquake in Wenchuan
happened and at which direction
the shock expanded**

http://www.csi.ac.cn/sichuan/sichuan080512_cs2.htm

Catastrophic earthquake destroyed the world famous Wolong (臥龍) *panda* breeding centre



Source: video.news.sky.com

Basics of 512 Earthquake in Sichuan Province China

Source:
Sichuan Earthquake Information
[http://sichuaneq.googlepages.com/
home](http://sichuaneq.googlepages.com/home)

Earthquake Statistics Updates

Facts	Number of people
Deaths	69,122
Injured	373,606
Accepted treatment	289,457
Still In Hospital	23,864
Rescued from the ruins	69,549
Missing	17,991
Orphaned	>4,000
Homeless	>5,000,000
Affected	45,612,765
Migrated	15,147,400



Before 512: Wenchuan ABA Teachers College (汶川阿坝师范专科学校图书馆)

- the only academic institution in Wenchuan
- the only academic institution totally destroyed



**Before 512: Wenchuan ABA Teachers College
Students' Residence**



**After 512: Wenchuan ABA Teachers College
Teachers' Residence**

Library Society of China Report

中國圖書館學會記錄

Sichuan province	119 county libraries
Complete destroyed	4 county-level libraries
Severely damaged	29 county-level libraries
Damaged	25 county-level libraries
Destroyed	670,000 books
Estimated library damages	436,000,000 RMB

Beichuan Library (北川綿陽市)

- **Located at Epicenter in Sichuan earthquake**
- **Completely destroyed by the earthquake**
- **Director Li Chun (李春) and 5 other staff rescued after 70+ hrs**
- **Rescue team worked over 2 hrs non-stop with their bare hands**
- **Rescue team used a small knife to cut through the wood pieces around them**

Conditions in Libraries Nearer the Epicenter



Photos taken from Library Family
blog:

<http://space.sina.com.cn/123260150>

Library Staff 's Temporary Quarters



A
shared
tent



Temporary Reading Room





Students Reading in Temporary Camp

Rescuing Books/Working in the Library



**Mianyang Normal
University Library**

(綿陽師範學院)

National Library of China (中國國家圖書館)
Library Society of China (中國圖書館學會)
Earthquake Relief Program

- **Donations of books, collections, etc.**
- **Relevant training procedures**
- **Coupling relationship (library in a non afflicted area helps a library in an affected area on one-on-one basis)**
- **Promote public library services & information services**
- **Long term help plan (majority libraries have 3-year-recovery-plan)**

Gifts of Books from Inside China



Central Broadcasting Group gave 150,000 volumes



China Children's Press Gift

HKU Dept of Electrical & Electronic Engineering

Primary School Reconstruction Project

Deyang (德陽市) summer 2009

HKU EEE Team members :

- Dr Wilton Fok, Dr YC Wu , Dr Alfred Yu
& HKU students**

The Project :

- To install renewable energy system, multimedia classrooms and a computer laboratory in Deyang Yuanjia Primary School (德陽市袁家小學)**

Beichuan Middle School (北川中學)

Co-designed by professors from Harvard, MIT, HKU, Tsinghua & Tongji Universities

- **Beichuan government “put as top priority” in the general reconstructive scheme of Beichuan**
- **2600 Mill RMB invested**
- **To accommodate 5000 students**
- **To be used as stationary shelters of the new town**
- **Estimated to be finished on 1 Sept 2010**

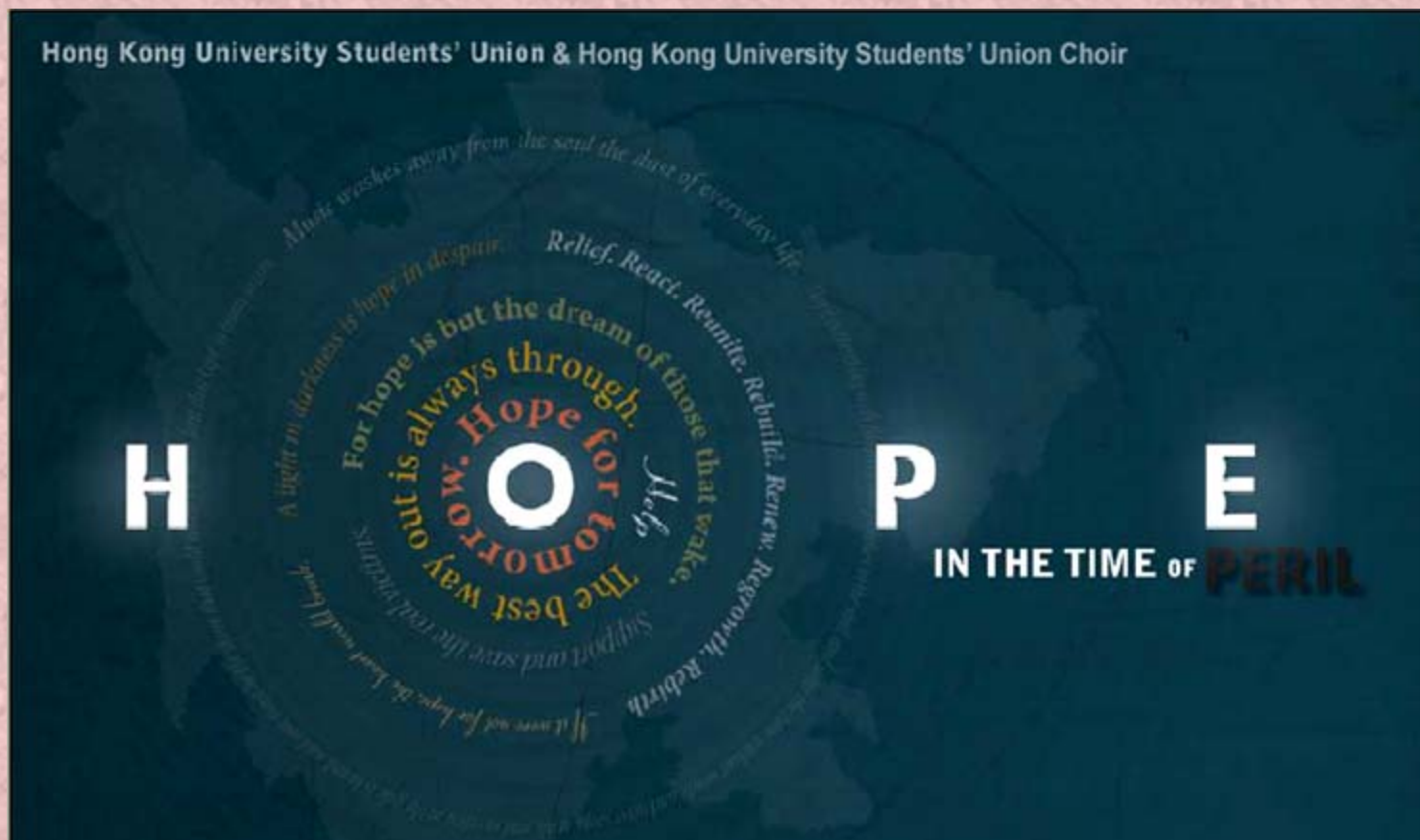
HKU Students' Union Fund-raising Drive

HKUSU set up donation boxes at :

- **Counter near Main Library**
- **Examination venues**
- **HKUSU Cooperative Store**
- **HKUSU Office**
- **China Scholars & Students Association**

HKU Students' Union & Union Choir

Fundraising Concert for the Reconstruction of Sichuan (8 July 2008)



HKU Students' Union Fund-raising Drive Through Cyber Campus: U Radio



The University of Hong Kong
CYBERCAMPUS
Centre of Development and Resources for Students

[+ HKU Homepage](#)
[| About Cyber Campus](#)



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- [Feature Programmes](#)
- [Community](#)
- [Campus Life](#)
- [Career Education](#)
- [Current Affairs](#)
- [Person Enrichment](#)

Programme Detail



Live on U-Radio: Give Our Hands to Sichuan Earthquake Victims

Schedule : Monday, 19 May 2008 9:30pm to 11:30pm



Menu

- [Home](#)
- [Programme Schedule](#)
- [Hosts](#)

Search

HKU Students Voluntary Work

Hu Yiming (summer 2008)

**Southwestern University of Economics & Finance,
Aixin School (西南財經大學災區愛心學校)**

- **taught high school students from Wenchuan (汶川)**
- **one of the students awarded “Young Hero of Earthquake Relief Work”**



HKU Students Voluntary Work

HKU Student Voluntary Work

Hu Yiming (summer 2008)

Sichuan Agricultural University (四川農業大學)

- **Organized volunteers from HKU, Sichuan University, Peking University, New York State University, University of Sydney, Wageningen University, etc. to visit schools in Dujiangyan (都江堰) - heavily damaged city during Sichuan earthquake.**
- **Shared information about their universities**
- **Shared experience in studies/ learning**
- **Shared experience in overcoming difficulties**
- **Encouraged students to recall their passion for life**



HKU Students Voluntary Work

HKU Activities

- **Fundraising**
- **Book donations**
- **Local forums**
- **International conferences**
- **Collaborations on disaster management**
 - **with Mainland higher education**
 - **with charitable institutions**

HKU in Action

Date	Title	Organizer
Apr 12, 2009	<u>Sichuan Hong Kong Engineering Technology and Reconstruction Academic Interflow Conference in Chengdu</u>	Department of Electrical and Electronic Engineering
Apr 10, 2009	<u>Meeting with the Sichuan Deyang Education Bureau for the preparation of a primary school reconstruction in summer 2009</u>	Department of Electrical and Electronic Engineering
Oct 16, 2008	<u>My Voluntary Work in Sichuan</u>	A sharing from Hu Yiming (Undergraduate of Economics and Finance)
Starting from July 18, 2008	<u>你曾經想過去四川甘肅的災區協助救災或重建嗎？你是否已經成行？</u>	香港大學心理系
Starting from July 17, 2008	<u>HKU and Beijing Normal University collaborate in pioneering Catastrophe Management Initiative</u>	The University of Hong Kong and the Beijing Normal University
June 14, 2008	<u>四川地震救援實錄及災後重建公眾講座</u>	苗圃行動，講者為香港大學副校長李焯芬教授、工程師及香港大學舊生高永賢博士、工程師
June 13, 2008	<u>以心理測試篩選災區援助人員</u>	心理學系
May 25, 2008	<u>同心援川燭光晚會</u>	香港青年學生救災援川大行動，包括香港大學在內的青年學生領袖聯合發起
May 24, 2008	<u>Sichuan Donations – MEICOM</u>	HKU MSc in E-Commerce & Internet Computing (MEICOM) Alumni Association
May 22, 2008	<u>Call for Action to Staff in LKS Faculty of Medicine</u>	LKS Faculty of Medicine
May 19, 2008	<u>Calling Chinese trained in I/O psychology to help fight the earthquake aftermath</u>	Department of Psychology

Library Specific Aid Program

Library Family (圖書館家園)

Program Conductor

- **Cheng Huanwen (程煥文), Director of Sun Yat-Sen University Libraries (中山大學圖書館)**

Program of Earthquake Aid for Librarians

- **400 volunteers**
- **visited 17 higher education libraries**

Visits by Cheng Huan-wen (程煥文) / Library Family to Sichuan librarians



Library Specific Aid Program

Library Family (圖書館家園) objectives:

- **Help library workers who were victims (economic, emotional, physical)**
- **Provide support to families of librarians who were killed. Lump sum payment was given to those who lost family members or homes**
- **Help affected library science students to finish their studies. Arrange free training opportunities for unemployed librarians**
- **Bring in experts to offer advice and assistance**
- **As of June 2008, distributed US\$163,000**

Library Specific Aid Program

Shanghai Library

- **Organize donation days through Sichuan Quake Relief Program**
- **Arrange book donation drop-off points**
- **Provide books & libraries for elementary schools/ orphanages as they are rebuilt or repaired through 2008 Earthquake Program**
- **Adopt specific Sichuan counties to help their libraries**

HKU Libraries Book Donation Program

- **University Librarian (Dr A.W. Ferguson) & Assistant Fung Ping Shan Librarian (Ms Angela Ko) visited Sichuan University Library, Chengdu in Oct 2008**
- **Explored ways to assist the libraries**
- **Worked with Hong Kong University Press & Dr Priscilla Roberts (History Dept) to donate books**

HKU Libraries Book Donation (Oct/Nov 2008)

Library of Mianyang Normal University
(綿陽師範學院圖書館)

- Book donation – 600 volumes
- Stamp on books:
“大愛無疆 抗震救災
香港大學圖書館 援助圖書”

HKU Libraries Book Donation (Oct/Nov 2008)

Sichuan University Library (四川大學圖書館)

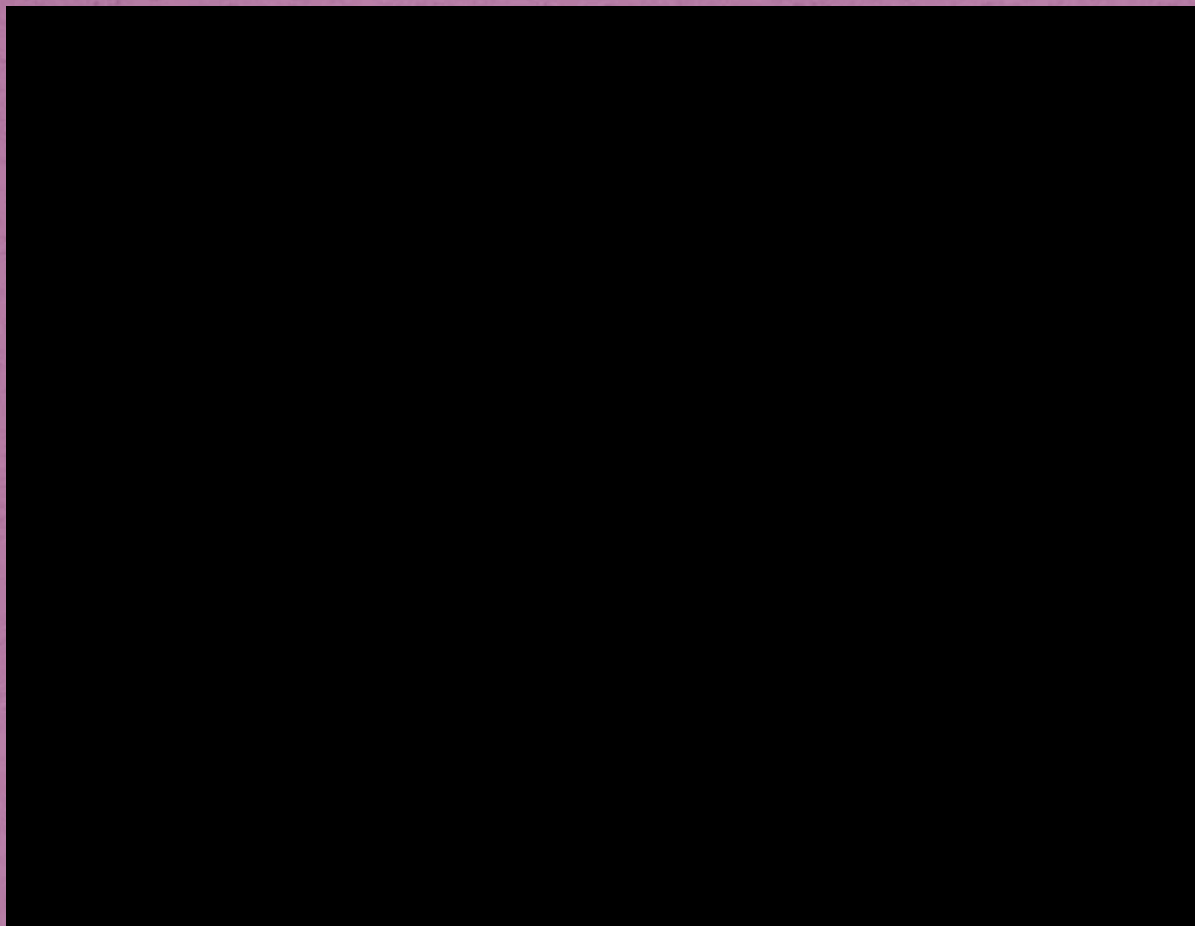
- **Book donations – 5,000 books**
- **Sichuan University Library will help to distribute donated books to needy libraries in the earthquake areas**



**Medical Library staff preparing books
for shipment to Sichuan**

Lessons Learned

- **The need for comprehensive disaster plans**
- **The need for regular fire and evacuation drills**
- **The need to analyze all existing buildings & new buildings for their ability to withstand stresses produced by major earthquakes**
- **The need for an emergency classification system that everyone can quickly grasp the severity of the disaster confronting the populace and those involved in relief efforts**
- **The need to quickly gather experts together to share experiences with each other and the librarians affected by the disaster**



5.12 earthquake video

Source:

北川羌族自治縣文化旅遊局

**(Beichuan Qiang Autonomous County
Culture & Tourism Authority)**

How Can You Help ?

Write to: Cheng Huanwen (程煥文)

Chair, Library Family (圖書館家園)

Sichuan Earthquake Aid Program

cheng@mail.sysu.edu.cn

<http://blog.sina.com.cn/huanwen>

How Can You Help ?

**The Library Project, Inc.
2008 Earthquake Program
4362 East Gatewood Road
Phoenix, AZ, 85050, USA**

Objective: Provide books & libraries for elementary schools & orphanages as they are rebuilt or repaired

How Can You Help ?

**International
Federation of
Red Cross &
Red Crescent
Societies**

<http://donate.ifrc.org/>

Donation Form

Please complete all fields marked with an *

I would like to make a donation of: * Amount in figures

Currency *

Card type

I would like my contribution to go to:

Company name (only for corporate donors, in order to calculate the total received by a company)

First name *

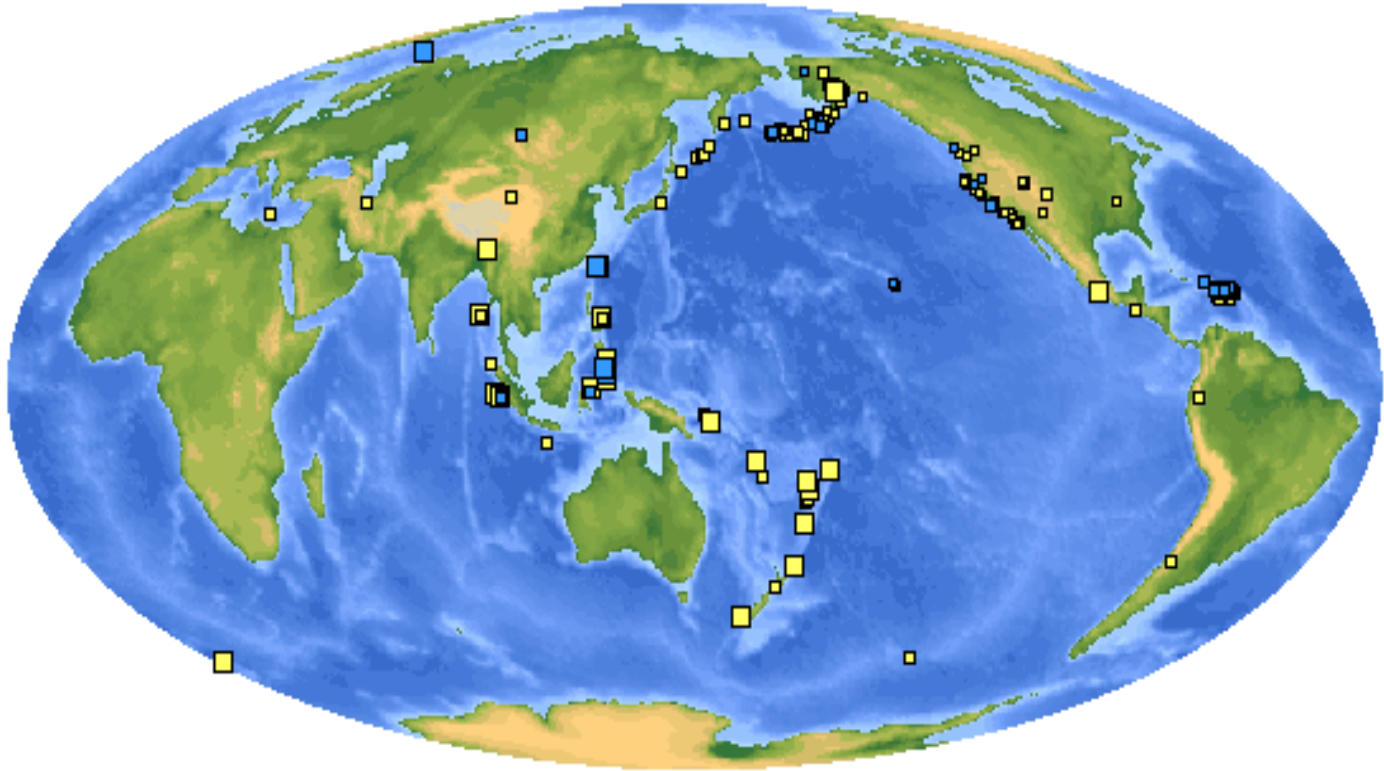
Last name *

Address *

Latest Earthquakes in the World - Past 7 days

Worldwide earthquakes with M4.5+ located by USGS and Contributing Agencies.
(Earthquakes with M2.5+ within the United States and adjacent areas.)

Fri Aug 21 06:00:02 UTC 2009 285 earthquakes on this map



ages			magnitudes			
■ last hour	■ day	■ week	 >7	 >5	 >2.5	X ? (not known)

Suggestions ?
Thank you

謝謝