COURSE: Chinese 7382. Chinese Phonology  
Class No. & Credit Hours: 31155 (3 credits, G)  
Prerequisites: Chinese 5380, or permission of instructor

DAY & TIME  M 2:15 – 5:00 PM
PLACE: Derby Hall, Room 062 (154 N. Oval Mall)
OFFICE HOURS: R 4:00 - 5:30 p.m., or by appointment  
Office: 362 Hagerty Hall  
Tel: 292.3619 (Dept.: 292.5816)  
E-mail: chan.9@osu.edu

HOME PAGE: http://u.osu.edu/chan.9/  
COURSE PAGE: http://u.osu.edu/chan.9/c7382/

TEXTBOOKS


2. Additional Readings:  
Additional readings are typically e-journal articles that can be retrieved from OSU Libraries' online catalog. First, go to Ohio State University Libraries <library.osu.edu>, and under "Links" on the right-hand menu, select “Online Journals List” and find the relevant e-journal title. Other readings will be made available during the semester.

Thompson (Main) Library Reserve and Electronic Reserves:  
Some reference books will be placed in Closed Reserve at Thompson (Main) Library (loan periods
may vary) during the semester, among them being the textbook (on 4-hour loan). (Note: Reserved materials in Closed Reserve are for the specified semester only.)

Check Ohio State University Libraries <library.osu.edu> for an online list of books and readings placed on Reserve for Chinese 7382. On the right menubar under RECOMMENDED LINKS, select “Course Reserves” and go to the link for students, and from there search for course reserves by course or by professor. Readings in PDF format prepared or provided by OSU Libraries can be retrieved under this course in Carmen.

COURSE DESCRIPTION

Chinese 7382 investigates the phonological structure of modern (Mandarin) Chinese. Other Chinese dialects may also be included for comparative purposes.

COURSE OBJECTIVES & EXPECTED OUTCOMES

This course serves as a further, more in-depth study of the phonetics and phonology of modern (Mandarin) Chinese beyond the introductory level (Chinese 5380). Students are also introduced to some issues in Chinese phonetics and phonology from cognitive and functional perspectives to prepare them for graduate seminars and further investigation into Chinese phonetics and phonology for linguistic purposes, or for more applied linguistic purposes in second language acquisition. Dialects of Chinese may also be included for cross-linguistic and comparative purposes.

Students are expected at the end of the course to have gained a solid understanding of the phonological structures and phonetic (articulatory and acoustic) properties of modern (Mandarin) Chinese, in order that they can use their knowledge for more advanced studies and research, from theoretical, empirical, and pedagogical perspectives.

COURSE CONTENT

The course will be conducted through lectures combined with class discussions of assigned readings and other class activities (e.g., acoustic analyses of speech sounds, individual and small-group assignments, etc.). Course work includes students’ presentation of one of the readings, their homework assignments, and their research results prior to submission of their term paper.

STUDENT RESPONSIBILITIES

1. Read and reflect on all assigned readings prior to class lectures and discussion.
2. Attend class regularly, and punctually.
3. Participate actively in class discussions and other class activities, including presenting and reporting on homework assignments.
4. Submit 2 homework assignments (about 9-10 double-spaced pages, plus references, and accompanying sound files or other data as needed).[1]
5. Explore the literature on Chinese phonetics and phonology, and select one article (or two shorter articles) for presentation and class discussion. (Scheduling of topics and readings will be finalized during the first few weeks of class, after students have made their article selection.)
6. For the term paper project:
   o Turn in a one-page, double-spaced, term paper proposal with select references in Week 11.
     Upload a digital copy to Carmen.osu.edu.
   o Present an oral version of some interesting findings from the research project at the end of the semester. [2]
- Submit a written version of the final project — about 15 double-spaced pages, including examples and references — in hardcopy and digital format at the end of the semester. Include textual data, sound files, and/or multimedia materials as needed. [3]

7. Upload all assignments in digital format to Carmen.osu.edu.

[1] These are hands-on, data-driven analyses and written responses to specific questions from the instructor based on the readings. The assignments should be submitted in hardcopy format and in digital format (DOCX or PDF format).

[2] Prepare a digital file in PowerPoint format for a PowerPoint presentation in class.

[3] Submit the term paper in hardcopy format and in digital format (DOCX or PDF). (If some other digital format is used, be sure to discuss it with the instructor first.)

DISABILITY STATEMENT

Students with disabilities that have been certified by the Office for Disability Services will be appropriately accommodated and should inform the instructor as soon as possible of their needs. The Office of Student Life’s Disability Services (SLDS) is located in 098 Baker Hall (113 W. 12th Ave.); Tel: 614-292-3307, Fax: 614-292-4190, VRS: 614-429-1334; URL: http://slds.osu.edu/.

CODE OF STUDENT CONDUCT & ACADEMIC INTEGRITY

Students are expected to conduct themselves in accordance with The Ohio State University’s Code of Student Conduct (revised 2 September 2016), which was established to foster and protect the core missions of the university. These are: to foster the scholarly and civic development of the university’s students in a safe and secure learning environment, and to protect the people, properties and processes that support the university and its missions. The core missions of the university are research, teaching and learning, and service. Preservation of academic freedom and free and open exchange of ideas and opinions for all members of the university are central to these missions.

ACADEMIC INTEGRITY. Academic integrity is essential to maintaining an environment that fosters excellence in teaching, research, and other educational and scholarly activities. Failure to follow the rules and guidelines established in OSU’s Code of Student Conduct (revised 2 September 2016) may constitute “Academic Misconduct.” OSU’s Code of Student Conduct (section 3335-23-04 Prohibited conduct) defines as academic misconduct “[a]ny activity that tends to compromise the academic integrity of the university, or subvert the educational process.”

Examples of academic misconduct include (but are not limited to) plagiarism, collusion (unauthorized collaboration), copying the work of another student, possession of unauthorized materials during an examination, and submission of the same work for credit in two (or more) courses. Ignorance of the University’s Code of Student Conduct is never considered an “excuse” for academic misconduct; hence, be sure to review the sections dealing with academic misconduct in the Code of Student Conduct.

Be sure also to read the University's Ten Suggestions for Preserving Academic Integrity and/or the Eight Cardinal Rules of Academic Integrity (from Northwestern U.). The University's policy on academic misconduct will be enforced in accordance with Faculty Rule 3335-5-54, and all alleged cases of academic misconduct will be reported to the Office of Academic Affairs’ Committee on Academic Misconduct (COAM) for resolution. In addition, graduate students should be familiar with the Graduate School's
Graduate Student Code of Research and Scholarly Conduct, which is included in the Graduate School Handbook. Students with questions concerning the University's policies or questions concerning academic or research misconduct are encouraged to ask the instructor any time during the semester.

[Note: OSU Libraries provides information on plagiarism, as does The Writing Center on plagiarism, along with citation examples for citing of sources, including the use of direct quotes versus paraphrasing, etc. Also, OSU Libraries’ Knowledge Bank has a set of short, online videos on Academic Misconduct and Plagiarism.]

VIRTUAL CLASSES USING CARMEN’S “CONFERENCES”
This course meets in the regular classroom during the semester. However, a virtual class meeting may replace a physical class meeting if needed; for example, if Ohio State cancels classes due to weather conditions or to safety concerns of its students stemming from Buckeye Alert emergency situations.

GRADING
There will be no midterm or final examination. Grading will be based on:

<table>
<thead>
<tr>
<th>Component</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Attendance, class participation, and in-class assignments</td>
<td>15%</td>
</tr>
<tr>
<td>Presentation and discussion of one article/reading</td>
<td>15%</td>
</tr>
<tr>
<td>Homework assignments (2)</td>
<td>30%</td>
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<tr>
<td>Research project (all phases)</td>
<td>40%</td>
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<td>------</td>
<td>100%</td>
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SCHEDULE
Chinese 7382, held on Mondays only, begins in Week 2.

This is a revised schedule of topics and readings.
Small adjustments in reading selections may still be made during the semester if needed.

<table>
<thead>
<tr>
<th>WEEK 2. Orientation &amp; Introduction (8/26)</th>
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<tbody>
<tr>
<td><strong>A. Orientation and Introduction</strong></td>
</tr>
<tr>
<td>• Orientation, Carmen, etc.</td>
</tr>
<tr>
<td>• Introduction to phonetics and phonology</td>
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<tr>
<td><strong>B. In-Class Readings and Discussion</strong></td>
</tr>
<tr>
<td>Selections from:</td>
</tr>
<tr>
<td>• Chelliah &amp; de Reuse (2011), Ch. 10</td>
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<tr>
<td>• Ladefoged (1999)</td>
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<tr>
<td>• Ladefoged (n.d.)</td>
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<tr>
<td>• Thomas (2004)</td>
</tr>
<tr>
<td>• Harrington (2010)</td>
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<tr>
<td>• Margetts &amp; Margetts (2012)</td>
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<tr>
<td>• (etc.)</td>
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</tbody>
</table>
### WEEK 3. Labor Day (9/02)

- No class
- Make selection of reading for class presentation
- Read ahead for Week 4

### WEEK 4. Modern Standard Chinese (9/09)

#### A. Phonetics and Phonology
- Overview of modern standard Chinese
- Audio-recording and sound-editing
- Speech analysis and transcriptions using *Praat*

#### B. Readings and Discussion
- Lin (2007), Ch. 1 & 6
- Chan (2003) – suppl. reading

*Happy Mid-Autumn Festival (中秋節)*

(八月十五・9.13.2019)

### WEEK 5. Consonants (9/16)

#### A. Phonetics and Phonology
- Articulatory and acoustic properties
- Study of x-ray tracings (from Zhou & Wu, 1963)
- Phonetics and phonology of onsets and codas
- Speech analysis using *Praat*: analyzing waveforms and reading spectrograms

#### B. Readings and Discussion
- Lin (2007), Ch. 2
- Ladefoged & Wu (1984)
- Peng (1993)

### WEEK 6. Vowels and Glides (9/23)

#### A. Phonetics and Phonology
- Articulatory and acoustic properties
- Classification of vowels
- Speech analysis using *Praat*: formant-plotting and vowel charts

#### B. Readings and Discussion
- Lin (2007), Ch. 3
- Lee-Kim (2014)
- Shi et al. (2015)
**WEEK 7. Tone and Syllable Structure (9/30)**

**A. Phonetics and Phonology**
- Phonetic properties of tone
- Classification and transcription of tones
- Representations of the syllable
- Speech analysis using *Praat, Wavesurfer*

**B. Readings and Discussions**
- Lin (2007), Ch. 4 & 5
- Hao (2012)
- Chao (1980) – suppl. reading
- Wang (1967) – suppl. reading
- Jongman et al. (2006) – suppl. reading

*Due: Homework 1*

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**WEEK 8. Segmental Processes I (10/07)**

**A. Phonetics and Phonology**
- Phonological processes and rules
- Assimilation, weakening, and reduction
- Speech analysis using *Praat*

**B. Readings and Discussion**
- Lin (2007), Ch. 7
- Kong & Wu (2019)
- Tseng (2005, on contraction)
- Tseng (2005) – suppl. reading

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**WEEK 9. Segmental Processes II (10/14)**

**A. Phonetics and Phonology**
- Syllable-based processes
- R-suffixation
- Speech analysis using *Praat*

**B. Readings and Discussion**
- Lin (2007), Ch. 8
- Zhang (2008)
- Kim (2014)

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**WEEK 10. Tonal Processes (10/21)**

**A. Phonetics and Phonology**
- Tone features and tonal processes
- Tone sandhi
- Phonetics and phonology of the neutral tone
- Speech analysis using *Praat*

**B. Readings and Discussion**
- Lin (2007), Ch. 9
- Xu (1997)
- Lee & Zee (2008)

*Due: Homework 2*
**WEEK 11. Stress and Intonation (10/28)**

<table>
<thead>
<tr>
<th>A. Phonetics and Phonology</th>
<th>B. Readings and Discussion</th>
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</thead>
<tbody>
<tr>
<td>• Tone and stress interaction</td>
<td>• Lin (2007), Ch. 10</td>
</tr>
<tr>
<td>• Tone and intonation</td>
<td>• Chen (1974)</td>
</tr>
<tr>
<td>• Speech analysis using Praat</td>
<td>• Keating &amp; Kuo (2012)</td>
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<tr>
<td><strong>Due: One-page project proposal and select references</strong></td>
<td>• Lee (2004) – suppl. reading</td>
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<td>• Shen (1989, 1990) – suppl. reading</td>
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<td></td>
<td>• Yuan &amp; Liberman (2014) – suppl. reading</td>
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<td>• Xu (2015) – suppl. reading</td>
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**WEEK 12. Accented Putonghua and Regional Varieties (11/04)**

<table>
<thead>
<tr>
<th>A. Phonetics and Phonology</th>
<th>B. Readings and Discussion</th>
</tr>
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<tbody>
<tr>
<td>• Regional varieties of Standard Chinese, Putonghua: examples from Taiwan and different regions in China</td>
<td>• Lin (2007), Ch. 12</td>
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<tr>
<td>• Speech analysis using Praat</td>
<td>• Saillard (2004)</td>
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<td></td>
<td>• Dong &amp; Blommaert (2009)</td>
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**WEEK 13. Veterans Day (11/11)**

- No class

**WEEK 14. Topics in Chinese Phonetics and Phonology (11/18)**

<table>
<thead>
<tr>
<th>A. Phonetics and Phonology</th>
<th>B. Readings and Discussion</th>
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</thead>
<tbody>
<tr>
<td>• Topics and readings are subject to the interest of the students in the class</td>
<td>• Duanmu (1995)</td>
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<td></td>
<td>• Chow (2005)</td>
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<td>• Brennan (2013)</td>
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**WEEK 15. Student Presentations (11/25)**

<table>
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<th>Student Presentations</th>
<th>Student Presentations</th>
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</table>
### WEEK 16. Last Day of Class Activities (12/02)

<table>
<thead>
<tr>
<th>A. Phonetics and Phonology</th>
<th>B. Readings and Discussion</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Lecture by M. Chan (topic: tba)</td>
<td>• Jian (2015)</td>
</tr>
<tr>
<td>• Other class activities</td>
<td></td>
</tr>
</tbody>
</table>

### WEEKS 16 & 17. Examination Week (12/4-12/12)

**Graduating Students**

- **Term paper due: 12/02 (M)**
  - Submit hardcopy in class
  - Submit digital copy in Carmen by 9:00 pm

**Non-Graduating Students**

- **Term paper due: 12/04 (W)**
  - Submit hardcopy to instructor in DEALL office (398 Hagerty Hall) by 5:00 p.m.
  - Submit digital copy in Carmen by 9:00 pm

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### READINGS

**TEXTBOOKS** (Specific chapters are assigned.)


**ADDITIONAL READINGS** (including supplementary readings)


7. Dong, Jie and Jan Blommaert. 2009. Space, scale and accents: Constructing migrant identity in

71.2: 225-259.

9. Hao, Yen-Chen. 2012. Second language acquisition of Mandarin Chinese tones by tonal and non-

[Excerpt: Chapter 1. “Using speech corpora in phonetic research,” pages 1-19.]


of Mandarin tones by tonal and non-tonal languages speakers. In: Ping Li, Li Hai Tan, Elizabeth Bates, and Ovid J.L. Tzeng (editors),
University Press. Pages 209-216.


15. Ladefoged, Peter. (no date). Preserving the sounds of disappearing languages.
[URL: <http://www.linguistics.ucla.edu/people/ladefoge/Preserving%20sounds.pdf>]

Publishers Ltd. Pages 137-166. [Excerpt: Pages 141-150 only]


the International Phonetic Association* 33/1: 109-112. [OSU e-journal article]


*Journal of the International Phonetic Association* 44.3: 261-282.


22. Margetts, Anna and Andrew Margetts. 2012. Audio and video recording techniques for linguistic

23. Peng, Shu-hui. 1993. Cross-language influence on the production of Mandarin /ɻ/ and /ʃ/ and


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**SUPPLEMENTARY READINGS**


2. Bassetti, Benedetta. 2006. Orthographic input and phonological representations in learners of Chinese as a foreign language. *Written Language and Literacy* 9.1: 95-114. [OSU e-journal article and also available online at eprints.bbk.ac.uk.]


83. Peng, Shu-hui. 1996. *Phonetic Implementation and Perception of Place Coarticulation and Tone Sandhi*. Ph.D. dissertation, Ohio State University. (Mandarin Third Tone sandhi and place assimilation between Taiwanese coda and onset stops are examined.)


93. Wang, H. Samuel. 1995. *Experimental Studies in Taiwanese Phonology*. Taipei: Crane Publishing Co. Ltd. (It includes a discussion of segmentation of the syllable into phoneme-sized units and speech errors ('slips of the tongue'). Also addressed is the issue of the psychological reality of tone sandhi rules and related issues.)


SUPPLEMENTARY REFERENCES


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**SOME ONLINE RESOURCES**

- **Ohio State University:**
  - [Ohio State University Libraries](https://library.osu.edu/). Ohio State's online catalogues, as well as links to OhioLINK Catalog, WorldCat, etc. Search the Online catalogue for books, journals, e-journals, books and other materials reserved for a course, etc.
  - Indices/Tables of Content of some Chinese linguistics journals subscribed by OSU Libraries:
    - *Journal of Chinese Linguistics: Index of Articles* (1973-).
    - *Journal of the Chinese Language Teachers Association: Authors and Topics Indices* (1966-).
    - *Yuyan Jiaoxue Yu Yanjiu* [English title: Language Teaching and Linguistic Studies] (No online indices — Main (EAS): PL1004 Y827)
    - *Zhongguo Yuwen: Table of Contents Index* (1995-).
    - *Zhongguo Yuwen* 《中国语文》 (info and searchable index at the Chinese Academy of Social Sciences' website)
    - *Dangdai Yuyanxue* 《当代语言学》 (Contemporary Linguistics) (info and searchable index at the Chinese Academy of Social Sciences' website)
  - [ISTOR](https://istor.org/). Depository for back issues of journals, including e-journals, available for OSU users.
  - [ProQuest Dissertations & Theses](https://www.proquest.com/). Proquest's database contains citations for dissertations and theses done at U.S., Canadian and some foreign institutions. Free PDFs of all dissertations published since 1997. (Licensed for OSU academic use only.)
  - [Center for the Study and Teaching of Writing](https://cstw.osu.edu/). Excellent resources, "handouts", tutorials, etc., to assist undergraduate students — and those for whom English is a second (or third) foreign language — in their research and writing. The Center also provides a web page on plagiarism, giving a definition of plagiarism, together with a set of [Basic Citation Rules and Examples](https://library.osu.edu/resources). including use of direct quotes versus paraphrasing, etc. To cite books for this course, one recommendation is to use the sciences style for bibliography and in-text citations in the [Chicago Manual of Style Citation Guide](https://library.osu.edu/resources), available online from OSU Libraries.

- [Student Resources for Compositions](https://www.library.osu.edu/services/resources/). and [Sources: Their Use and Acknowledgement](https://www.library.osu.edu/services/resources/sources). (Composition Center, Dartmouth College)

- [On-line Resources for Documenting Electronic Sources](https://www.proquest.com/). (Online Writing Lab, Purdue University)

- [Journals available from Multilingual Matters](https://www.multilingualmatters.com/). Online issues of e-journals that may or may not be subscribed by OSU/OhioLINK; e-journals include: *International Journal of Bilingual Education and*

- **Journal Abstracts and Full-Text** (Blackwell Synergy Search Engine) Online search of articles from 873 leading journals published by Blackwell, including those in social and behavioral sciences, of which a subgroup is "language and linguistics". Access to abstracts and full-text (PDF files) also if OSU Libraries subscribes to a given e-journal.

- **Linguist List: Journal Index** (for some linguistic journals)

- **Phonological Representation Database for Mandarin Chinese Characters** (online searchable database with a large-scale phonological representation system for Mandarin Chinese monosyllables)

- **Google:**
  - **Google Scholar.** Search Google Scholar for books and online articles.
  - **Google Book Search.** Search for books by entering a keyword or phrase. Clicking on a book title provides some basic information about the book, and potentially a few snippets (i.e., a few sentences containing your keyword or phrase in context) or full pages, or the entire book, if it is out of copyright. A search can also be conducted within the original search to further refine the search. Explore the website for further features.
  - **Google Video.** Search for videos and video excerpts.

- **OSU Office of Responsible Research Practices (ORRP).** The Institutional Review Board (IRB), administered under the ORRP, oversees research activities at OSU, including research involving Human Subjects. "All research activities involving human subjects must be reviewed and approved by an IRB unless the Office of Responsible Research Practices prospectively determines that the research falls into a category of exemption established by federal regulation." The ORRP holds regular Workshops for faculty and graduate students, including those aimed specifically at students, such as workshops on "IRB Training for OSU Students." The website also has a page on News & Announcements, which has links to the online Buck-IRB Newsletter.

- **OSU Institute of Chinese Studies (ICS).** The ICS is "a center for scholarly research, student training, and public programming about the Chinese-speaking world for OSU faculty, students, the P-12 community, business and government, and members of the general public."

- **OSU East Asian Studies Center (EASC).** The Title VI NRC/FLAS East Asian Studies Center (EASC) at The Ohio State University's mission is "the broad dissemination of basic knowledge and advanced research on the cultures, languages, history, politics, and economies of East Asia."

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**To cite this page:**

The image used as the course logo is from a display in Wavesurfer of a Mandarin Chinese utterance, 啊?! 又出问题啦! "Huh?! More problems?!"

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**URL:** [http://u.osu.edu/chan.9/c7382/](http://u.osu.edu/chan.9/c7382/)