

## TWEED STUDY COURSE INSTRUCTIONS

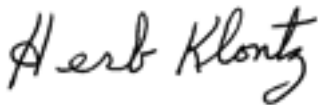
Congratulations on being accepted into the Tweed Study Course, Advanced Course in Edgewise Technology and Differential Diagnosis, sponsored by The Charles H. Tweed International Foundation for Orthodontic Research. It is hoped your visit in Tucson will be both pleasant and rewarding.

Because the course is highly concentrated, for you to realize the full benefit you must study the enclosed instructions and follow them closely. Here is a suggested schedule for course preparation.

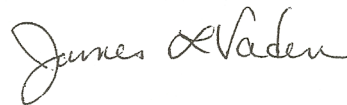
1. Review Recommended Reading List.
2. Bring complete permanent dentition pretreatment records of a patient with a Class I malocclusion and of a patient with a Class II malocclusion. The records must include photographs, study models, cephalograms and intraoral x-rays. **The Cephalograms must be traced.** Headfilm tracings of the cephalometric x-rays should include the normal anatomical landmarks as well as the diagnostic facial triangle. These records will be used in the diagnostic exercises which are an integral part of the Course.
3. The typodont with the appliance will be furnished free of charge. All arch wires used in the course will be supplied.
4. **Report to 2620 E. Broadway with instruments and supplies at 8:00 a.m. on the first day of the course.** This will be a full day of instruction and organization. You will finish the day at 7:00 p.m. Each day begins promptly at 8:00 a.m. and ends at 7:00 p.m. The course ends with typodont check-in on the last day of the course (Saturday) at 5:00 p.m. Students will be presented Tweed Study Course completion confirmation at that time. **A student who leaves before this date and hour WILL NOT receive course completion documentation. DO NOT LEAVE BEFORE THIS DATE AND TIME!** Plans to return home should be made for the following day (Sunday).
5. **In the event of cancellation less than thirty days prior to the course, no refund will be made. For cancellations prior to the thirty days, a \$35.00 processing fee will be assessed.**
6. A class photograph is included in your tuition.

The temperature average during the course is 85° (spring) to 100°F (summer and fall). Tucson is a resort city, so casual wear is suggested at all times. We are looking forward to meeting you.

Sincerely,



Herbert A. Klontz, D.D.S.  
Tweed Study Course Co-Director



James L. Vaden, D.D.S.  
Tweed Study Course Co-Director



## TWEED STUDY COURSE REQUIRED INSTRUMENT LIST

**BRING ALL INSTRUMENTS AND/OR SUPPLIES LISTED BELOW. EACH IS ESSENTIAL.**

**REQUIRED INSTRUMENTS/SUPPLIES THAT ARE AVAILABLE FOR PURCHASE AT THE TWEED STUDY COURSE: *Pay by cash or traveler's check payment only. Credit cards cannot be accepted.***

1. Tweed Loop Former (Orthopli 044-W or similar)
2. Bird Beak Plier (139)
3. Arch Torquing Plier (142). Two of these pliers are required.
4. Ligature tying plier (Coon tying plier is recommended)
5. Distal End Wire Cutter
6. 1 arch turret with .017, .018, .019, .020 & .0215 slots (preferably 0° torque)
7. 1 Boley Gauge
8. 1 pk of .032 Ball Electrodes (Ormco order #758-0232 – 100/pk)
9. 1 pk of .028 Ball Electrodes (Ormco order #758-0028 – 100/pk)
10. Flux
11. Ligature wire .010 (bring 1000)
12. "O" Module Ties (Solo ties or O rings) (bring 1000)
13. Arch marking pen
14. Butane fuel
15. \*30 split curved crimpable ball hooks (Phoenix #182-18/22L) [www.phoenixorthodonticsgeorgia.com](http://www.phoenixorthodonticsgeorgia.com)
16. \*30 split curved crimpable ball hooks (Phoenix #182-18/22R) [www.phoenixorthodonticsgeorgia.com](http://www.phoenixorthodonticsgeorgia.com)

**REQUIRED INSTRUMENTS/SUPPLIES THAT ARE NOT AVAILABLE FOR PURCHASE AT THE COURSE.**

1. Ligature cutter
2. Large wire cutter
3. Hook crimping plier (TP Ortho #100-192)
4. Lingual bar and headgear hook plier (Orthopli #067)
5. Orthopli 0162-H scaler
6. "Mosquito" hemostat
7. 7A wax spatula
8. Alastic Chain (1 spool)
9. Scotch tape
10. Lined/ruled 4x6 inch index cards
11. Safety glasses
12. Protractor
13. Mini-flame or pro-torch (*pack this torch into your checked luggage*)

\*Hooks attached to an archwire are an integral part of the fundamentals that are taught. Hooks can be either crimped or soldered. If crimpable hooks are used, the student **MUST** use the hooks specified above for the attachment of the high pull headgear. The specified curved crimpable high pull headgear hooks will be available for purchase at the Tweed Study Course. The curved crimpable hooks or any high quality crimpable hook can be used for elastics.

## RECOMMENDED READING LIST

1. TWEED, Charles H., "The Frankfort Mandibular Plane Angle in Orthodontic Diagnosis, Classification, Treatment Planning and Prognosis" - American Journal of Orthodontics Oral Surgery, April 1946.
2. TWEED, Charles H., "The Frankfort-Mandibular Incisor Angle (FMIA) in Orthodontic Diagnosis, Treatment Planning and Prognosis" - Angle Orthodontist, July 1954.
3. MERRIFIELD & CROSS, "A Study of Directional Forces," - American Journal of Orthodontics, May 1970.
4. MERRIFIELD, L. Lavern, "The Profile Line as an Aid in Critically Evaluating Facial Esthetics" - American Journal of Orthodontics, November 1966.
5. MERRIFIELD, L. Lavern, "Space Analysis and Differential Diagnosis" - Journal of The Charles H. Tweed Foundation, Volume 6, No. 1, March 1978. Pages 10 - 15.
6. MERRIFIELD, L. Lavern, "The Systems of Directional Force" - Journal of The Charles H. Tweed Foundation, Volume X, April 1982. Pages 15 - 29.
7. KLONTZ, Herbert A., "Readout" - Journal of The Charles H. Tweed International Foundation, Volume XIII, April 1985. Pages 53 - 64.
8. GRAMLING, J.F., "The Probability Index", American Journal of Orthodontics and Dentofacial Orthopedics, 107:165, 1995
9. MERRIFIELD, L. Lavern, KLONTZ, Herbert, & VADEN, James L., "Differential Diagnostic Analysis Systems, American Journal of Orthodontics and Dentofacial Orthopedics, 106:641, 1994
10. KLONTZ, Herbert K., "Facial Balance and Harmony: An attainable Objective for the Patient with a High Mandibular Plane Angle", American Journal of Orthodontic and Dentofacial Orthopedics, Vol. 114, No.2, pp. 176-188
11. VADEN, James, KLONTZ, Herbert & DALE, Jack, "Standard Edgewise: Tweed Merrifield Philosophy, Diagnosis, Treatment & Planning, and Force Systems", in Graber, L., Vanarsdall R., Vig, K., Huang, G., editors: Orthodontics: Current Principles and Techniques, Sixth edition, Elsevier, St. Louis, 2016.

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