

## ALUMNI NEWS AND NOTES

Your newsletter committee wishes to thank all of you who have sent, and are still sending, material regarding your study clubs and their formats. Those who are participating in study clubs find that they are an excellent aid in the progressive educational program of the orthodontist. By gathering information from all the various groups and consolidating it into a future issue of the newsletter, we hope to help both the new graduates or others who are interested in forming a group of their own and the members of present groups who are always on the look out for new and different ideas to improve their current program. We are still interested in hearing from any of you who haven't sent us information about your group. We hope to present all of this in the near future, so a note from you would be very much appreciated.

Washington alumni turned out in large numbers (46 total) at the recent meeting in Los Angeles of the A.A.O. It was good to see so many friends so far from home.

We had several alumni participating in various sections of the program. Wayne Bolton ('52) exhibited case reports which were certified at the 1961 examination by the American Board of Orthodontists. Wayne was to have presented a summary of his American Board thesis on "The Clinical Application of Tooth Size Analysis." However, the program was running behind and Wayne very graciously relinquished his time to get the program back on schedule. Participating in the Round Table luncheon, we had our chief, Al Moore, discussing "Cephalometric Evaluation of Orthodontic Treatment," Roland Anderson ('52) talking about "Study Clubs - Organization and Projects," and Ken Kahn ('50) explaining "New Uses of Cervical Headgear." Ken also gave a table clinic on "Recent Ideas in Use of Cervical Headgear." Al Baum ('50) presented a table clinic on "Hi-Pull With the Kloehe Cervical Gear and Kahn Spur."

There was also a meeting of the International Society of Cranio-Facial Biology on Sunday, April 29. The program chairman was Dr. Bertram Kraus and abstracts of papers were presented by Robert Hortin ('62), Ed Werlich ('62), Mac Armstrong ('62), and Mardon Lamb ('62). James Mulick ('61) presented a paper on "Condylar Deformities and Asymmetry, A Serial Investigation."

-----

#### TEN YEAR PROFILES

Milt Yellen claims he is still struggling in Houston to keep his orthodontic mistakes to a minimum. One day a week he instructs for the University of Texas Postgraduate Orthodontic School as he has done since 1956. He plans to bring his wife, son and daughter to the Alumni meeting in Seattle this summer. Recent surgery has prevented his taking part in his hobby--golf, but with the weather improving, he'll soon be back at it.

Bob Lande practices in San Pedro, California and besides orthodontics has his main interests in his family and reading. He and his wife, Regina, have two daughters (ages 18 and 9) and a son (11). Bob claims one of his hobbies is orthodontics but he also sails, plays tennis, and swims.

Bill Gilmore graduated in 1950 and he began with two offices, one in Yakima and a branch in Richland. When C. Rolland Woofter moved into the Richland area about five years ago, Bill gave up the branch office. In 1953 he built his home and in 1959 he built his own office.

His family consists of two boys and a girl, ages 8 to 14. Bill is a member of the PCSO, Angle Society, and the Tweed Group. One of the best vacations he's had was when he visited Cuba with the Tweed Group. He lives in a good location to enjoy hunting, fishing, water and snow skiing, and boating. His boating is mostly Class A motorboat and he doesn't miss the ocean which to him is synonymous to "mal de mer".

---

#### WHAT'S NEW AT THE UNIVERSITY

The time is rapidly approaching when our first alumni meeting will be in session. I have heard from several members of the committees who are preparing the program and making plans for your education, entertainment, and enjoyment, that the planned attendance is exceeding all expectations. I attended a meeting of the Program Committee and it appears they have a very stimulating and worthwhile program in the making.

Century 21 is now a reality and even though I have seen only a small portion of it, I can enthusiastically report that you will not be disappointed.

I am happy to report that at the last meeting of the American Board of Orthodontics four Washington graduates were certified and all upheld the standards of U. of W. These men were: Bill Gilmore, Joe Moran, Ken Orman, and Gene Supernaw.

The Memorial Fund, which was commenced early this year, has continued to grow to the point where now we have reached the minimal goal arbitrarily set at \$5,000. This figure was an estimation of the minimal amount that would be required to effect the basic physical facilities improvement. Eventually our investment will be much greater than this in that the acquisition of bound journals and texts will require a continuing expenditure of funds. On behalf of the department and students, I want to thank you all for your support in this matter.

On Tuesday afternoon, August 14, Myrna and I are planning a reception at home to insure our having an opportunity to see and meet with all of you. Sometime just prior to the meeting we will send invitations so that you might know the time schedule. With somewhere in the neighborhood of 225 people involved, it will be necessary for us to stagger the schedule throughout the afternoon and early evening. You will hear from us a little later regarding these plans.

The Seattle area alumni and staff are all anxiously awaiting your visit. See you in August.

Alton W. Moore



## SIAMESE BRACKET - HEADGEAR COMBINATION

Dr. John Rogers

The occasion has arisen where I wish to place a Kloechn Headgear on a case where the upper second molars are banded. I have tried to put double tubes on the second molars but find this unsatisfactory mainly because the leverage of the headgear loosens the bands.

In order to achieve my goal I have constructed a bracket-tube combination for the first molar, which will allow attachment of the headgear to the first molar, and then simply attach an edgewise tube to the second molar.

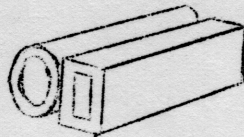
The construction of the first molar bracket-tube for headgear is as follows:

1. Prepare a siamese bracket by grinding off two horns on one side of the bracket, after it is spot welded on the band.

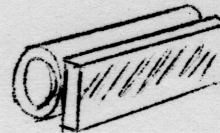


This portion

2. Grind off all but one thickness of a Betta (Sarda Chrome) double tube. Sometimes it is possible to eliminate this step and simply use the tube alone.

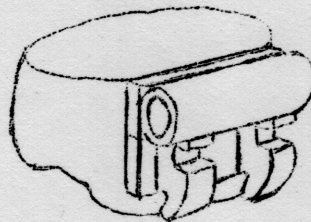


Before



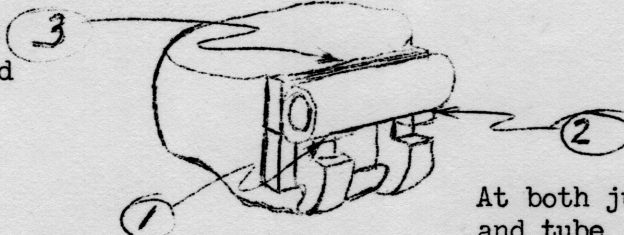
After

3. Spot weld the modified tube on the band flush to the bracket.



4. Solder both pieces to the band. This can be a bit tricky. Apply a liberal amount of fluoride flux over both tube and bracket, eliminate when red hot over the flame, place your solder in three places.

At upper border  
of tube and band



At both junctions of bracket  
and tube

Note: Use  
Eutectic Flux  
and Gold Solder.

5. Clean off the fused fluoride flux. This can be done by scraping or by boiling in a small amount of water.
6. With a Joe Dandy disc, cut a slice thru the tube portion only. This allows tying a ligature wire around each portion of the siamese bracket. Be sure the cut is deep enough so that an edgewise wire may be placed in the slot and still have an adequate groove to accommodate two ligature wires. By using a 699 or 700 bur the groove may be smoothed or modified, besides, this same bur may be used to improve the shape of the tube, thus providing better contour for tying in the ligature wires.



Pigtail

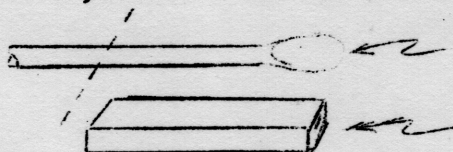
7. Anodyze the whole assembly. The attachment looks like two short lengths of .045 tubing setting on top of the siamese bracket.

#### CLASS II HOOKS ON SECOND MOLARS

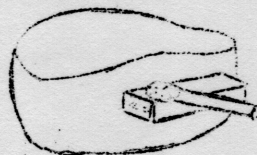
Dr. Dick Riedel

If you like Class II elastic hooks on lower second molars, an easy way of making them is as follows:

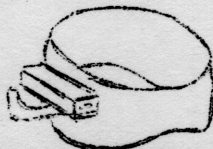
Take a piece of .028 gold wire, flatten the end and cut off about the same length as the edgewise tube.



Spot weld the tube on the band and on the under side of the tube spot weld the .028 gold. This wire should be set at approximately 45°. Incidentally, these attachments are placed on pre-formed bands and the fluoride flux and gold solder seems to work best.



Apply fluoride flux and gold solder to the tube and wire. Clean off the fused flux and bend the .028 wire into the desired shape with a 139 plier.



The advantage of this technique is that a Class II hook may be quickly and easily added, with only one soldering operation to attach both hook and tube. If you don't solder your edgewise tubes, this will not help you.



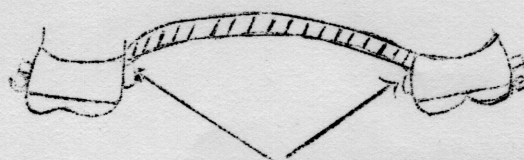
## MAXILLARY FIRST MOLARS AND LINGUAL HOOKS

Dr. Harry Hatasaka

Spot weld lingual hooks (Unitek UT-117) routinely on the lingual of the upper first molar bands to serve the following purposes:

1. A good means of retaining upper bite plates and later upper Hawley retainers. Eliminates having to bend molar clasps for bite plates and upper retainers. I have been placing them routinely for some time and find that they work well.

viz.:



Acrylic adjusted to fit just under the lip of lingual hook

2. During treatment, IF a cross bite unfortunately develops there would be no problem as the lingual hook is already there. Eliminates the necessity of having to remove the band, placing a lingual hook for cross elastics and then recementing.

One disadvantage is that it may irritate the tongues of some sensitive patients for a few days. The use of beeswax usually gets these patients over the hump.

3. In an emergency, the lingual hook may be used for Class III elastics.
-

## GRADUATING CLASS - 1962

Each year on one afternoon in March, a meeting is held during which the graduating seniors present a summary of their theses. Attending the meeting are members of the orthodontic staff, local alumni, and the new class of orthodontic students. The afternoon ends with a social hour and a dinner. The theses presented this year were as follows:

Jack Seiyei Akamine	Tongue Thrust in Open Bite Cases: A Time Study of Tongue and Lip Pressures Against the Anterior Teeth During Swallowing
Robert A. Mendel	Tongue and Lip Forces on the Maxillary Central Incisor During Swallowing
Edwin Werlich	The Prevalence of a Variant Swallowing Pattern in a Group of Seattle School Children
Robert W. Hortin	A Serial Cephalometric Study of the Positional Relationships of the Maxillary and Mandibular Incisors
Mardon C. Lamb	Observations on the Embryonic Development of the Mandibular Dentition of the Alaska Fur Seal
Johannes Nyegaard	An Analysis of Treatment and Post Retention Positional Changes of Certain Reference Points and Lines Following Headgear Therapy
Maclay M. Armstrong	A Study of Tooth Size and Heredity Utilizing the Twin Study Method on Triplets

This year, following the presentations, an interesting discussion developed concerning a topic that has often been thought and talked about by nearly every one of us—just what is the value of writing a master's thesis?

The following comments summarize the discussion and came from alumni, staff members, and students. Perhaps they could be the springboard for further comments from others of you who have ideas on the subject.

1. It gives you a better appreciation of what is involved in any of the literature or research work that you may come across in later years and gives you a firmer basis for evaluating critically such efforts (regularly reviewing the available literature is of course essential to keeping informed of current developments in the specialty).
2. Anyone interested in teaching would be aided by this academic discipline.
3. The information gathered may add knowledge to the field of orthodontics.
4. It is important as a mental discipline in itself. This probably being the last formal training most of us will pursue, the writing of a master's thesis is an opportunity to utilize scientific methods of research and to cover extensively past as well as current literature (giving us a broader awareness of what is available). It requires us to formulate our ideas and write them down in a logical and coherent form, finally



giving us a feeling of accomplishment and satisfaction for having completed such a task. This experience gives one a feeling of confidence which could not have been achieved through any other exercise.

All of the presentations were handled in a very professional manner and we wish to thank our newest alumni for the time and effort they put forth towards a very interesting program.

The following is a list of the new graduates, their addresses and where they intend to practice.

NAME	ADDRESS	WILL PRACTICE IN
Jack S. Akamine	916 1st Avenue North	Renton, Washington
MacLay M. Armstrong	Stimson Building	Seattle, Washington
Frank P. Baird	1209 - 1st	Wenatchee, Washington
Allen I. Drysch	6433 West 26th Place Berwyn, Illinois	California
Robert W. Hortin	Wrightmount Professional Center Wright and Fremont Avenue Suite G	Sunnyvale, California
Mardon C. Lamb	Woodland Hills Dental Center 22949 Ventura Blvd.	Woodland Hills, Calif.
Robert A. Mendel	2825 - 80th S. E.	Mercer Island, Wash.
Johannes Nyegaard	7 Sophienhaivel	Copenhagen, Denmark
Ronald F. Robbins	1315 Medical Arts Bldg.	Tacoma, Washington
Edwin P. Werlich	415 Medical Dental Bldg.	Everett, Washington

"TONGUE THRUST IN OPEN BITE CASES: A TIME STUDY OF TONGUE AND LIP  
PRESSURES AGAINST THE ANTERIOR TEETH DURING SWALLOWING"

(An Abstract of Thesis for Master's Degree)

Dr. Jack Akamine

Pressures exerted on the area of the left maxillary central incisor by the lip and tongue were measured in two groups of treated female orthodontic patients. The experimental group, the tongue thrusters, consisted of six patients in whom the tongue thrusting habit was clinically identified and who also had relapsed to an anterior open bite after being out of retention at least a year. The control group, non-thrusters, consisted of five patients who did not exhibit an anterior open bite.

The mechanism used to detect and record these pressures consisted of an assembly of strain gauges mounted on the labial and lingual of the maxillary left central incisor and wired into a circuit of the Sanborn 150 amplifier and kymograph recorder. Measurements were taken during three basic swallowing exercises: (1) swallowing saliva on command (2) swallowing small amounts of water and (3) involuntary swallowing. In the last exercise data were gathered while the subject was seated comfortably and the investigator left the room. All three exercises were represented in a series of three recording visits made at one week intervals.

Types of data to evaluate the two groups included: (1) duration of pressures exerted by the lip and tongue during three types of swallowing and (2) measurement of the time interval between maximum pressures of lip and tongue during swallowing.

The following conclusions were made for the population as a whole: (1) The lip pressed against the teeth longer than the tongue during swallowing (2) Involuntary swallowing evoked pressures of longest duration, command swallowing second, and water swallowing third.

A basic difference between thrusters and non-thrusters was found in the length of time the lip and tongue applied pressure to the anterior teeth during swallowing. Thrusters apply tongue and lip pressure against the anterior teeth for a longer duration of time than do the non-thrusters.

-----



## COMMITTEE REPORTS

HOUSING - Ken Kahn, chairman.

Ken Kahn, our housing chairman, reports that he has had an excellent response from the alumni in securing their room reservations early. Both the Coach House and the Edmond Meany Hotel have been very accommodating in helping us make housing arrangements for our meeting.

As you know, the Seattle World's Fair will be at its peak during June, July, and August, and a check with the travel bureau indicates that plane reservations are being taken up rapidly (on week-ends in particular). If you are traveling by either plane or train, we urge you to make reservations as soon as possible.

TREASURER - John Raynes.

There are still some who haven't paid their \$25.00 dues (those men will be receiving a reminder soon.) We will be sending out membership cards to those who have paid which will entitle them to all the rights and privileges of our Alumni Association. At the business meeting in August, we will decide on future plans regarding dues, constitution and by-laws, frequency of meetings, election of officers, etc., and discuss the future progress of our organization, so please be prepared to voice your thoughts.

ORTHODONTIC ALUMNI RESEARCH FUND - Jerry Dohner

As all of you know, we have a special fund for which we need donations in the next few months. A suggested means of raising funds was presented as follows: each one of us who has practiced for a few years undoubtedly has a dentist, physician, or close personal friend who has a child being treated by us and for whom we hesitate to charge our usual fee. On the other hand, these individuals expect and wish to pay something toward their child's work. The plan is to ask that parent to pay a minimum of \$250.00 to the University of Washington Orthodontic Research Fund. If paid to the Fund, this amount becomes a deductible item.

The parents should be made to realize that they are getting a bargain in several ways. Their child's work is being done very reasonably and the amount they are paying is tax deductible.

If you have a patient who would fit into the plan described, and the parents would like to contribute to this research fund, the check should be made out to the University of Washington and left with your office. Your office assistant should then indicate on the check that it is for deposit to the Orthodontic Alumni Research Fund. The check should be accompanied with the name of the orthodontist and mailed to:

Dean Maurice J. Hickey  
School of Dentistry  
University of Washington  
Seattle 5, Washington

To date, we have in our account approximately \$1360.00 which has been received from contributions to the above plan. This is still short of our goal, and as our alumni meeting is getting close, we would appreciate contributions to this fund as soon as possible.

#### PROGRAM - Wayne Bolton.

The scientific portion of the August meeting will have as its general theme, the treatment of malocclusion in the mixed dentition period. One of the Northwest's study groups is responsible for a review of recent thoughts on this subject. Several formal papers will be read also by Faculty and Alumni to round out the presentation.

Interesting papers and formal clinics have been obtained to provide the program for all day Monday, August 13th, Tuesday and Wednesday morning, August 14th and 15th. This schedule will allow a considerable amount of free time for visiting and recreation.

It is planned that a get-together and banquet will be held Sunday evening, August 12th. Two alumni business meetings will be held, one at noon on Monday, the 13th, the other on Wednesday morning, August 15th.

An excellent attendance is expected. It is felt that a fine program has been arranged as a result of the cooperative spirit shown by all who were asked to contribute.

A detailed outline of the program will be made available in the near future.

#### ORTHODONTIC QUESTIONNAIRE

Although the response to our questionnaire has been very good, we are waiting for a few more to come in.

If you haven't sent yours -- please do so. Time is running out.

Respectfully submitted,

Your Newsletter Committee,

John Rogers

Andy Houg

Les Erickson