

301 day

28 Nov.

1. Test tomorrow

2. Kitwanoool up to date

3. Carrier's borrowing of culture west to east

4. Maxime George

Peter Williams  
Kitwanoool

Origin of mosquitoes 157 - 192

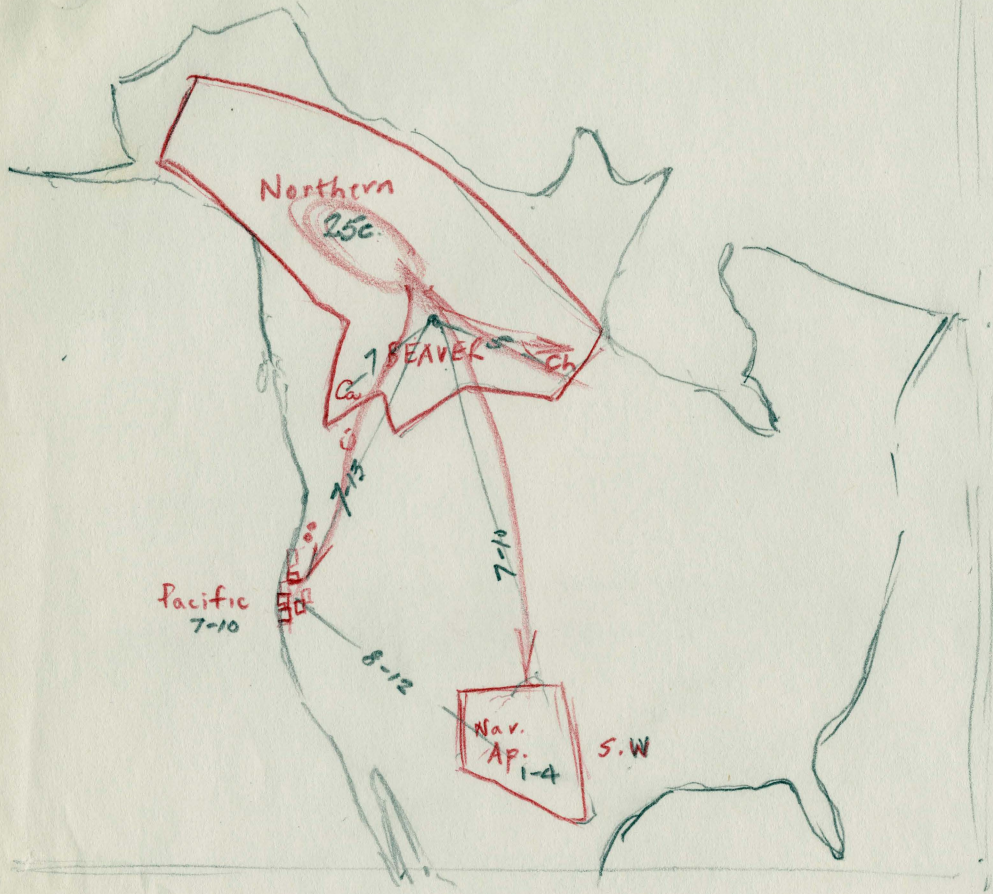
same in Carrier 193 - 227

Origin of fire, water,  
daylight 227 - 270

Hymn 270 - 287

repeat 288 - 294

another hymn 300 -



If study of traditions doesn't tell much, what about language?

Linguistic Approaches to Prehistory

{ leading: see Reading List p. 18 //  
: req. Dower Ch 25 Language  
required

Study of distribution and relationships of languages reveals history

Distributions - are the results of past movements of peoples

Eg. Ath<sup>n</sup> in SW and Alaska means somebody migrated.  
(minor changes in dist<sup>n</sup> can result from diffusion of language)

Relationships - degree or distance of relationship gives an idea how long ago the movements occurred.

Degrees of genetic relationship : { determined by linguists on basis of sim. in structure and vocabulary

dialect (mutually intelligible) - any number

language (mutually unintelligible) - 26 in BC (all but 1)

families { branch  
division  
stock (phylum)  
superstock (super phylum) } depend on remoteness of relationship  
no standard terms established  
[assume relationship means common origin] [but similarities can be result of contact]

Glottochronology - a method of calculating time depths of families

SWADESH

- measure length of time 2 related languages have been separated.

Lang. change slower and at a more uniform rate than rest of culture

In one aspect, all languages change at the same rate

Premise: One aspect of language <sup>is very stable</sup> changes at the same rate in all languages.

: Part of Vocabulary:

"basic vocabulary" universal (things all langs must express)  
non-cultural

I we man woman have know eat die  
blood bite drink sleep fear night

not "culture-words" totem pole, fishhook  
(change when culture changes)  
location

Swadesh made a 200 word list of basic vocabulary

- tested it on 13 langs which have long written histories  
(Indo-European + Coptic + Chinese)
- after 1000 years, retained av. 81% of this basic vocab.

each lost or changed 19% of these words per 1000 yrs.  
words which changed - random (not same in diff langs)

This gives a measure of time 2 rel. langs separate

There is a math. formula, but

2 langs  $\rightarrow$  split  $\rightarrow$  1000 yrs

each loses 19% (retains 81%)

shared cognates  $81\% \text{ of } 81\% = \underline{66\%}$

so compare langs for % cognates, apply formula for time depth.

[later used refined 100 word list, recalculated - retention rate 86%]

This seems to work (gives interesting results)

but can't possibly be true:

- based on sample of 13 / 5000 languages <sup>scientifically</sup> <sub>weak</sub>
- rate of loss affected by borrowing etc.  
source of error at every step of the way.

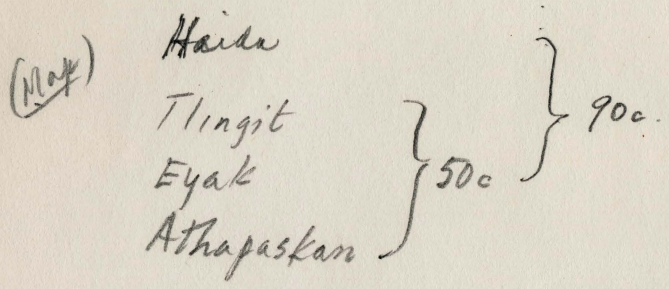
But lets apply it.

Finally - NADENE phylum - people of the north

new

an old phylum - 90c - in Alaska and Yukon, with coastal and interior members.

its youngest branch, Athapaskan, spread e. to H Bay south to New Mex, Calif.



Centered, and greatest time depth in NW, on coast so Athapaskan originated in NW.

Athapaskan - 25c. depth - in Alaska & Yukon. - Inland people -

Athap.

- 3 branches:
1. Northern - Alaska, Yukon → Athap.  
many languages. time depth 25c.  
e.e. some closely related 10c.  
Beaver - Chippewyan 5-6c.  
Closest related to other branches
  2. Southwest Navajo - Apache  
time depth only about 4c. - were a single  
speech community until then.

7-10 from Beaver - Chip.

so migrated - down east of Rockies  
in Plains

3. Pacific Coast - several langs. - California  
Oregon  
Wash.

- time depth 7-10c from each other

- 7-13 removed from Beaver.

so migrated - down Plateau w. of Rockies  
Nicola remnant.

- 8-12 from SW. - so separate migration

### General Inference

- Ath. centered no. & west until 10-15c. ago.

- 10-15 movements - east and south

- east to Hudsons Bay

- 2 migrations

- one east of Rockies 7-10 - → Navajo

- several down Plateau 7-13 → Pacific Coast

Why ?? minor technological revolutions  
snowshoe

In B.C. map - general pressure south and west

- Carrier - Beaver 7c.

Carrier took hold on Skeena and Fraser systems

Skeena - compressing Tsamsham  
- to coast?

Fraser - Chlestin wedge · <sup>Billhook</sup> Lillooet  
Nicola remnant

- In recent centuries we still have evidence  
of Athap<sup>sc</sup> presence -

Chlestin

Tsitcanit

How can you reconstruct map of BC

- before Athap<sup>sc</sup> incursions?



# ATHAPASKANS

301-11  
Oct 26 '66

Put map on blackboard - (Clor) [<sup>both times</sup> second lecture]

next to whites, the most recent arrivals in B.C.

Name Athapaskan  
Can (Amer) Déné (Tinnéh) "people"

Population (B.C. only) 1835 1895 1965  
8800 3700 7500  
"Population Profile"

1. - early recovery (white man aids)
2. Cf Tsimshian 8500 - 3500 - 6800  
C. Sahsh 12000 - 4000 - 9000 } density
3. Carrier 4000 - 2000 - 4000. make up  $\frac{1}{2}$   
so north & east very sparse.

## Linguistic relations:

1. With TI - H - Eyak → Nadine of NW North America

2. Athapaskan - most widespread family in N.A.

Alaska - H Bay

Arctic - Arctic

Pacific: Oregon - California (NICOLA monument)

Southwest: <sup>100,000</sup> Navajo - Apache

} two migrations  
1500 - 800 yrs ago.

3. Were 10 langs in B.C.

Athapascans, cont'd.

By map

colored chalk

Mention exams

(don't memorize lists of tribes & bands  
no population figures)

Back to our list of Athapascans:

- ① (Nicola) - 1850 Stuwikamuk  
- Question of identity - Chilcotin?

Other extinct groups:

- ② (Tsetsaut) - Tsimshian name for all Athapascans  
Tsetsaut proper - extinct Kincolith 1890's.  
Also "Nassgothen" Tahltan called that.

- ③ (Taku) -

Only 4 large (Pentlatch) have gone extinct in B.C.

Comox people caught in collapse of wave.

6. Kaska . Cassiar "old morassens"

Upper band (Band 2) → Lower Post  
with other  
bands.

Leave lower  
Band 4/10.

7. Sekani }  
8. Beaver } next term [put on map if possible]  
9. Slave }

301 - day  
Nov 24 Fri.

## Athapascans

1. General
2. Culture - Arctic Drainage  
- Pacific Drainage

3. Carrier  
Chilcatin  
Juktan  
(Kutcan)  
Taku  
Kaska  
Nehalem  
Beaves  
Slave  
Nicola

### 4. Treaty No. 8.

5. Ethnochronology
6. Athapaskan migrations

} Slides & Tape

Hajnaljet  
Mencitons  
FST James  
Groullet  
Maxwell George

- Story of Magyars
- " " Fomoria