

# AUTOMOBILE RECORD

Make.....  
 Model.....  
 Horsepower.....  
 Serial No.....  
 Engine No.....  
 Body No.....  
 Speedometer.....  
 Color.....  
 Battery.....

TIRES	SPEEDOMETER READING	MAKE	SERIAL NO.
R. F.	ON		
L. F.	OFF		
R. R.			
L. R.			
Spare			

State License.....  
 Town License.....  
 Chauffeur's License.....  
 Insurance Co.....  
 Premiums due.....

## IDENTIFICATION

Full Name  
 Richard Wagoner  
 Minde

City or Town and State  
 U.S.S. Seattle

Residence  
 Postmaster

Business Firm  
 New York

Residence Phone  
 N.Y.

Office Phone  
 In case of accident or serious injury notify

### IT IS WELL TO KNOW

Watch No. \_\_\_\_\_  
 Watch \_\_\_\_\_  
 Size of Hat \_\_\_\_\_  
 Gloves \_\_\_\_\_  
 Size of Shirt \_\_\_\_\_  
 Collar \_\_\_\_\_  
 Size of Shoes \_\_\_\_\_  
 Hosiery \_\_\_\_\_  
 Size of Underwear \_\_\_\_\_  
 My weight was \_\_\_\_\_ lbs. on \_\_\_\_\_  
 My height \_\_\_\_\_ feet \_\_\_\_\_ in.

1927

LAIRD & LEE'S

DIARY AND  
TIME-SAVER

1927

With 16 Maps in Four Colors

Including United States Territorial  
Acquisitions

*Handy Reference Tables—Population of U. S. and Canadian Cities according to Latest Census—U. S. and Foreign Postage—Telephone Numbers—Cash Accounts—Medical Hints*

**Complete Reference Calendar—Business, Religious and Civic Holidays—Astrological Signs for Each Day of the Year—Phases of the Moon, Etc.**

**TWENTY-EIGHTH ANNUAL EDITION**

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LAIRD & LEE, INC., CHICAGO

January	S	M	T	W	T	F	S	July	S	M	T	W	T	F	S
...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	2
2	3	4	5	6	7	8	...	3	4	5	6	7	8	9	...
9	10	11	12	13	14	15	...	10	11	12	13	14	15	16	...
16	17	18	19	20	21	22	...	17	18	19	20	21	22	23	...
23	24	25	26	27	28	29	...	24	25	26	27	28	29	30	...
30	31	...	...	...	...	...	...	31	...	...	...	...	...	...	...

February	S	M	T	W	T	F	S	August	S	M	T	W	T	F	S
...	...	1	2	3	4	5	...	...	...	1	2	3	4	5	6
6	7	8	9	10	11	12	...	7	8	9	10	11	12	13	...
13	14	15	16	17	18	19	...	14	15	16	17	18	19	20	...
20	21	22	23	24	25	26	...	21	22	23	24	25	26	27	...
27	28	...	...	...	...	...	...	28	29	30	31	...	...	...	...

March	S	M	T	W	T	F	S	September	S	M	T	W	T	F	S
...	...	1	2	3	4	5	...	...	...	...	1	2	3	...	
6	7	8	9	10	11	12	...	4	5	6	7	8	9	10	...
13	14	15	16	17	18	19	...	11	12	13	14	15	16	17	...
20	21	22	23	24	25	26	...	18	19	20	21	22	23	24	...
27	28	29	30	31	...	...	...	25	26	27	28	29	30	...	...

April	S	M	T	W	T	F	S	October	S	M	T	W	T	F	S
...	...	...	...	...	...	1	2	...	...	...	...	...	...	1	2
3	4	5	6	7	8	9	...	2	3	4	5	6	7	8	...
10	11	12	13	14	15	16	...	9	10	11	12	13	14	15	...
17	18	19	20	21	22	23	...	16	17	18	19	20	21	22	...
24	25	26	27	28	29	30	...	23	24	25	26	27	28	29	...
...	...	...	...	...	...	...	...	30	31	...	...	...	...	...	...

May	S	M	T	W	T	F	S	November	S	M	T	W	T	F	S
1	2	3	4	5	6	7	...	...	...	1	2	3	4	5	...
8	9	10	11	12	13	14	...	6	7	8	9	10	11	12	...
15	16	17	18	19	20	21	...	13	14	15	16	17	18	19	...
22	23	24	25	26	27	28	...	20	21	22	23	24	25	26	...
29	30	31	...	...	...	...	...	27	28	29	30	...	...	...	...

June	S	M	T	W	T	F	S	December	S	M	T	W	T	F	S
...	...	...	...	...	...	1	2	...	...	...	...	...	...	1	2
5	6	7	8	9	10	11	...	4	5	6	7	8	9	10	...
12	13	14	15	16	17	18	...	11	12	13	14	15	16	17	...
19	20	21	22	23	24	25	...	18	19	20	21	22	23	24	...
26	27	28	29	30	...	...	...	25	26	27	28	29	30	31	...



9th Month **SEPTEMBER, 1926** 30 Days

10th Month **OCTOBER, 1926** 31 Days

SUN.

**26**

269-96



SUN.

**3**

276-89

MON.

**27**

270-95



MON.

**4**

277-88

TUES.

**28**

271-94



last q.  
p. m.



TUES.

**5**

278-87

WED.

**29**

272-93



WED.

**6**

279-86

THUR.

**30**

273-92



dew  
a. m.

THUR.

**7**

280-85

10th Month

**OCTOBER, 1926**

31 Days

FRI.

**1**

274-91



FRI.

**8**

281-84

SAT.

**2**

275-90



SAT.

**9**

282-83  
Fire Prevention Day

10th Month

OCTOBER, 1926

31 Days

10th Month

OCTOBER, 1926

31 Days

SUN.

10

283-82



SUN.

17

290-75

MON.

11

284-81



MON.

18

291-74

TUES.

12

285-80  
Columbus  
Day

TUES.

19

292-73

WED.

13

286-79



WED.

20

293-72

THUR.

14

287-78

first q.  
p. m.full  
a. m.

THUR.

21

294-71

FRI.

15

288-77



FRI.

22

295-70

SAT.

16

289-76



SAT.

23

296-69



11th Month

NOVEMBER, 1926

30 Days

th Month

NOVEMBER, 1926

30 Days

SUN.

7

311-54

m

m

SUN.

14

318-47

MON.

8

312-53

m

m

MON.

15

319-46

TUES.

9

313-52

m

m

TUES.

16

320-45

WED.

10

314-51

m

m

WED.

17

321-44

THUR.

11

315-50

Armistice  
Day

m

m

THUR.

18

322-43

FRI.

12

316-49

m

m

☺ full  
p. m.

FRI.

19

323-42

SAT.

13

317-48

m

m

first q  
a. m.

SAT.

20

324-41

11th Month

NOVEMBER, 1926

30

11th Month

NOVEMBER, 1926

30 Days

SUN.

21

325-40

†

†

SUN.

28

832-33  
1st Sunday  
in Advent

MON.

22

326-39

†

†

MON.

29

338-82

TUES.

23

327-38

†

†

TUES.

30

334-81

WED.

24

328-37

†

12th Month

DECEMBER, 1926

†

31 Days

WED.

1

835-30

THUR.

25

329-36  
Thankgiv-  
ing

†

†

THUR.

2

336-29

FRI.

26

330-35

†

†

FRI.

3

337-28

SAT.

27

331-34

†

†

last of  
p. m.

SAT.

4

338-27

*Frank Taylor*

*Raymond*

12th Month

DECEMBER, 1926

31 Days

12th Month

DECEMBER, 1926

31 Days

SUN.

5

839-26

Left on 30 day  
 Express  
 Chicago

new  
a. m.

†

first q.  
p. m.

SUN.

12

346-19

MON.

6

840-26

Chicago

†

†

MON.

13

347-18

TUES.

7

841-24

†

†

TUES.

14

348-17

WED.

8

842-23

Immaculate  
Conception

†

†

WED.

15

349-16

THUR.

9

843-22

†

†

THUR.

16

350-15

FRI.

10

844-21

†

†

FRI.

17

351-14

SAT.

11

845-20

†

†

SAT.

18

352-13

12th Month

DECEMBER, 1926

31 Days

12th Month

DECEMBER, 1926

31 Days

SUN.

19

853-12

*Chicago*full  
p. m.

f

vs

*Chicago*

SUN.

26

360-5

MON.

20

354-11

f

vs

last q.  
a. m.

MON.

27

861-4

TUES.

21

355-10

vs

vs

TUES.

28

362-3

WED.

22

356-9

vs

vs

WED.

29

863-2

THUR.

23

857-8

vs

*vs Returned to  
New York.*

THUR.

30

364-1

FRI.

24

358-7

vs

vs

FRI.

31

865-0

SAT.

25

359-6

Christmas

vs

1st Month

vs

JANUARY, 1927

31 Days

SAT.

1 1 364

New Year



U.S.S. Seattle.



RECEIVING  
ROOM

U.S.S. SEATTLE  
1927

1st Month

JANUARY, 1927

31 Days

1st Month

JANUARY, 1927

31 Days

SUN.

2

2-863

Brooklyn  
New York  
yard

VS

VS

Arrived plus  
ideal temperature  
here at the time  
of the year

SUN.

9

9-356

MON.

3

3-862

VS

VS

1st q.  
p. m.  
Went over to  
Sausal Beach  
to swim

MON.

10

10-855

TUES.

4

4-361

Departed for  
Houma  
Bay Litter.

new  
a. m.

VS

VS

Stayed aboard  
On watch

TUES.

11

11-364

WED.

5

5-360

At Sea  
Getting rough

VS

VS

Sausal beach  
again

WED.

12

12-353

THUR.

6

6-359  
Epiphany

Nightly rough  
weather  
Beauty all sick.

VS

VS

Swimming in the  
afternoon on the  
beach.

THUR.

13

13-362

FRI.

7

7-858

Still rough  
weather.  
not much to eat now.

VS

VS

Had afternoon  
watch stayed  
aboard

FRI.

14

14-851

SAT.

8

8-357

Captain inspecting  
ins. white noise fan  
getting much  
warmer

VS

VS

nil

SAT.

15

15-360

1st Month **JANUARY, 1927** 31 Days1st Month **JANUARY, 1927** 31 Days

SUN. *went ashore - vs*  
*at the Naval*  
*station.*  
 16-349

*Stayed aboard*  
*wrote letter*  
 SUN. **23**  
 23-342

MON. *Nothing* vs  
 17-348

*Over to the beach*  
*again.*  
 MON. **24**  
 24-341

TUES. *Same* vs  
 full a. m. ☺  
 18-347

*Swim today*  
 TUES. **25**  
 25-340

WED. *Afternoon watch* vs  
 19-346

*Qualified as 1<sup>st</sup> class*  
*swimmer today*  
 WED. **26**  
 26-339

THUR. *Ceremonies ashore* vs  
*every afternoon*  
*now as swimming*  
*instructor.*  
 20-345

*Stayed aboard*  
 THUR. **27**  
 27-338

FRI. *Swimming* vs  
 21-344

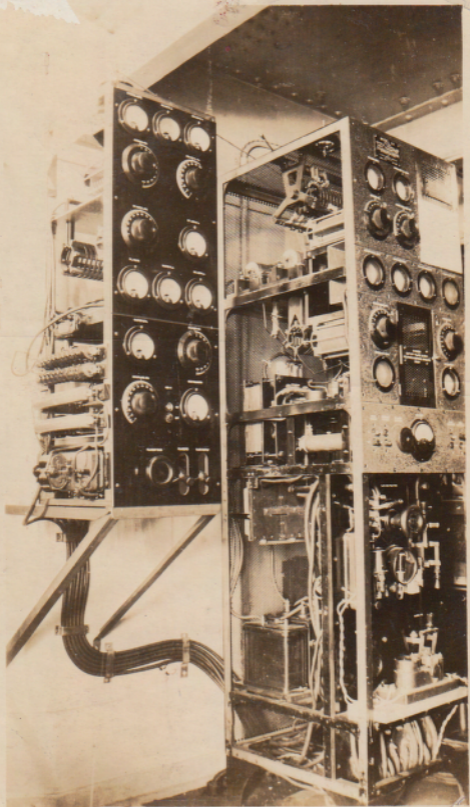
*At the Fleet*  
*Center*  
 FRI. **28**  
 28-337

SAT. *Captain's inspection*  
*had the*  
*watch.*  
 22-343

*Captain's*  
*inspection*  
*got blowed out*  
 SAT. **29**  
 29-336

1st Month	JANUARY, 1927	31 Days	2d Month	FEBRUARY, 1927	28 Days
SUN.		***			SUN.
30	Nothing much			Wrote a lot of letters home.	6
90-335					37-328
MON.		***			MON.
31	Nil			Morning watch got underway in the morning	7
31-334					38-327

2d Month	FEBRUARY, 1927	28 Days	3d Month	MARCH, 1927	31 Days
TUES.		***			TUES.
1	Same going down at work every day			1500	8
32-333				Departed Gtmo Bay for Kingston Jamaica	39-326
WED.		new ***			WED.
2	11	p. m. ☺		Arrived Kingston	9
33-332				first q. a. m. 1830. went ashore. Looked the town over. Not so good	40-325
THUR.		***			THUR.
3	Will leave for Kingston next Monday.			Went to a local talent play in Kingston not so bad.	10
34-331					41-324
FRI.		***			FRI.
4	Letter awfully long of this place			Went ashore again this is the worst place we ever been in - too many niggers	11
35-330				Stayed aboard had the lutey underway for Santa Domingo	42-323
SAT.		***			SAT.
5	Captain's inspection				43-322
36-329					Lincoln's Birthday



model Xa high  
frequency transmitter  
and the experimental  
Xa high frequency  
transmitter aboard  
U.S.S. Seattle. Crystal  
controlled - frequency  
range 4000 - 26,000  
Kcs.

worked ship (Memphis)  
in February 1927 -  
from west Indies to  
Malta Greece.

First successful H. F.  
transmitter used  
aboard naval vessel  
for official & routine  
traffic.

2d Month

FEBRUARY, 1927

28 Days

SUN.

13

44-321  
Septuagesima

At sea -

Nothing much  
doing.

MON.

14

45-320  
St. Val'ntine

Arrived Santa Rosa

ing City went

ashore. Much

more interesting than

TUES.

15

46-319

Stayed aboard -

On watch.

President of Dom. Rep  
visit ship.

WED.

16

47-318

Went ashore.

Visited Columbus' <sup>full</sup>  
tomb and other <sub>p. m.</sub> ☺

historical places

THUR.

17

48-317

Departed for

Ponce Portorico.

FRI.

18

49-316

Arrived Ponce

300. Went ashore

more pretty girls here

than any place

SAT.

19

50-315

Stayed aboard. \*

Nil today.

2d Month

FEBRUARY, 1927

28 Days

\* Ashore again

Took ride over

Camp &amp; Banana plan-

tation. Visitor day

\* Departed for La

Guirra Venezuela #400

\* At sea

Nil

\* Arrived La Guirra

Went ashore. Very

interesting town

\* Stayed aboard

On watch -

\* Went to Paracas de

C. <sup>last q.</sup> <sub>at p. m.</sub> Wonderful

trip over the Andes

mountains.

\* Departed for Colon

Passed Isle of Curacao

+ city. It will be <sup>most</sup> <sub>interesting</sub>

SUN.

20

51-314

MON.

21

52-318

TUES.

22

53-312

Wash'gton's  
Birthday

WED.

23

54-311

THUR.

24

55-310

FRI.

25

56-309

SAT.

26

57-308

2d Month

FEBRUARY, 1927

28 Days

3d Month

MARCH, 1927

31 Days

SUN.

27

58-307  
Quinquagesima

Still at sea. ✕  
Wrote about 5  
letters. Hope they  
are all answered.

MON.

28

59-306

Arrived Colon. Went ✕  
alongside coal dock.  
Hugged for coal by ship

3d Month

MARCH, 1927

31 Days

TUES.

1

60-305  
Mardi Gras

Coal by ship today ✕  
Everything is black  
with dust.

WED.

2

61-304  
Ash  
Wednesday

Left coal dock ✕  
Held play. Cleared  
ship from mast to  
water line.

THUR.

3


62-303

Paying at anchor ✕  
in Colon.  
Had the duty.  
The year in Navy today

FRI.

4

63-302

Pay Day in Colon ✕  
went over and bought <sup>new</sup> <sub>at 4 p.m.</sub>   
several curios for the folks  
back home.

SAT.

5

64-301

Captain's in section. ✕  
went over to Colon again.  
Battle fleet is arriving.

✕ Still at anchor  
more ships  
coming thru  
canal.

✕ Went ashore  
again. Too many  
sailors here now.  
Prices are sky high

✕ At anchor Colon

Panama

✕ Man the rail today  
for President of  
Republic of Panama  
Departed for sea P. M.

✕ At sea.  
1st q. Three section  
p. m. watches.

✕ At sea  
Two section  
watches  
no sleep for us

✕ At sea.  
Still two section watches  
4 hrs on the off-  
have need sleep.

SUN.

6

65-300

MON.

7

66-299

TUES.

8

67-298

WED.

9

68-297

THUR.

10

69-296

FRI.

11

70-295

SAT.

12

71-294



3d Month

MARCH, 1927

31 Days

4th Month

At Anchor 1927 June 30 Days

SUN.	Ray Cox visited me Friday the 26th. We talked all afternoon and got sea tomorrow.	☺	Wood located near La Grange Me. without a dip scrubbed clothes.	SUN.	3	93-272
MON.	Departed for sea.	☺	At anchor 2 days on operating circuit.	MON.	4	94-271
TUES.	At much going on sailing and all again at sea.	☺	Found that Capt. C.R.A. was from New Meadows. At anchor 2 days	TUES.	5	95-270
WED.	Passed by an oil launcher K35.5000 missing.	☺	Ray Day	WED.	6	96-269
THUR.	At sea - several destroyers turning around us today Came from my locker	☺	At anchor 2 days Nothing much scrubbed clothes	THUR.	7	97-268
FRI.	At sea	☺	Seattle wins boat race for J.F. Champ. scrubbed clothes	FRI.	8	98-267
SAT.	Proceeding thru Seattle	☺	Seattle's burst wrestles all local. scrubbed clothes	SAT.	9	99-266
SUN.	At sea	☺	ment asking for night departure according for Navy Club base ball.	SUN.	10	

4th Month

APRIL, 1927

30 Days

1st Day

APRIL, 1927 June 30 Days

FRI.	At sea	☺	Seattle's burst wrestles all local. scrubbed clothes	FRI.	8	98-267
SAT.	At sea	☺	ment asking for night departure according for Navy Club base ball.	SAT.	9	99-266
SUN.	Proceeding thru Seattle	☺	Seattle's burst wrestles all local. scrubbed clothes	SUN.	10	

4th Month	APRIL, 1927	30 Days	4th Month	APRIL, 1927	30 Days
SUN.	New York in 10 days	♀	♀ Still in old Guantanamo Bay.	SUN.	17
100-265	Old Bay	—	wrote much letters.	107-258	Easter Passover
MON.	Coaled ship	♀	♀ Under way for sea	MON.	18
101-264	I slept all day. Rueky	—	1300!	108-257	
TUES.	Field Day	♀	♀ At sea	TUES.	19
102-263	Had the watch Rueky Again!	—	Manoeuvring	109-256	
WED.	Due stopped making flour <sup>PP</sup> cracking clothes & sent them down every day.	♂	♂ The same	WED.	20
103-262		—		110-255	
THUR.	Seattle loses All-Navy <sup>PP</sup> racing cup but wins about \$25,000 in side bet with W.V. etc	♂	♂ None	THUR.	21
104-261		—		111-254	
FRI.	Another Field Day	♀	♀ Anchored for Haiti overnight	FRI.	22
105-260		—		112-253	
SAT.	Captains inspection <sup>PP</sup> 10 left all afternoon in fore castle	♂	♂ Departed for New York 1300 Capt's inspection	SAT.	23
106-259		—		113-252	

4th Month	APRIL, 1927	30 Days	5th Month	MAY, 1927	31 Days
SUN.	Next Army Transport	8	8	Went ashore	SUN.
24	Camp in, loaded with marine for Nicaragua China		8	Went ashore	1
114-251			8	Boys Boy and went to the Paramount	121-244
MON.	Oh Sea	8	8	Had the watch.	MON.
25	Enroute New York	last q. a. m. ☾	8	I have to coal ship tomorrow - damn it.	2
115-250			8	Coaled ship today - 4 1/2 hours of it. Was day but went ashore.	122-243
TUES.	Same	8	8	Stayed over leave - 1/2 day. Surely that I had night but was missing.	TUES.
26			8	Stayed aboard had the watch.	3
116-249			8	Went before Captains Mast and was restricted for 2 weeks	123-242
WED.	Same thing getting colder	8	8	7 1/2 more literally in the Boo How	WED.
27			8	Captains Suspension	4
117-248			8	8	124-241
THUR.	Almost froze last night one more day	8	8	8	THUR.
28			8	8	5
118-247			8	8	125-240
FRI.	Passed Statue of Liberty 7 am, over head on 96th st. 10.30, went ashore	8	8	8	FRI.
29			8	8	6
119-246			8	8	126-239
SAT.	Captains inspect on hundreds of meters aboard today had the watch	8	8	8	SAT.
30			8	8	7
120-245			8	8	127-238

5th Month

MAY, 1927

31 Days

SUN. *Hundreds of visitors* ☽  
**8** *aboard* first q. p. m. ☾

128-237 *Bonnie & I buy a*  
 Mother's *traveling case, victrola.*

MON. *Rained all day* ☽  
**9** *Practical make*  
*and read*

129-236 *"The Paper of the Sea"*

TUES. *More rain* ☽

**10**  *Aunt Amy*  
 130-235 *visits the ship.*

WED. *Special visitors day.*

**11** *Study extra*  
 131-234 *watch.*

THUR. *afternoon watch* ☽

**12** *received from NAG-HF*  
 132-233 *for 5 1/2 hours steady.*

FRI. *Field Day* ☽

**13** *Showed visitors:*  
 133-232 *over ship*

SAT. *Captain's inspection*

**14** *Aunt Amy visit*  
 134-231 *in afternoon.*

5th Month

MAY, 1927

31 Days

☽ *Morning watch* SUN.  
 worked on radio **15**  
 picture machine 135-230  
 afternoon & evening.

☽ *Tell New York I. am* MON.  
 Men Levathon near **16**  
 Battery. 136-229

*Three section watch*

☽ *At sea* TUES.  
 ☺ full a. m. *Radio silence* **17**  
*now on.* 137-228

☽ *At sea* WED.  
 Contact made. **18**  
 Two section 138-227  
 watches

II *At sea* THUR.  
 Problem finished. **19**  
 Three section watches 139-226

II *Arrived Newport R.I.* FRI.  
 11:30 **20**  
 Five section 140-225  
 watches.

II *at Newport* SAT.  
 Captain's inspection **21**  
 Gay day 141-224

5th Month

MAY, 1927

31 Days

SUN.

22

142-223

Rogation

At Anchor Newport II  
~~Had liberty but~~  
 didn't go ashore

MON.

23

148-222

At Anchor Newport II  
 Went ashore  
 Not much of a town

TUES.

24

144-221

At Anchor II  
 last q. ☾  
 a. m.  
 Ashore again

WED.

25

145-220

Newport II  
 Rain Rain Rain  
 New York in 2 weeks  
 Clear - oop

THUR.

26

146-219

Ascension

Newport R. I. II  
 Fog Fog Fog  
 Had the watch

FRI.

27

147-218

Field Day II  
 Newport  
 R. I.

SAT.

28

148-217

Left for Annapolis II  
 Awfully cold

5th Month

MAY, 1927

31 Days

II

at sea  
 Arrived Annapolis  
 11 p.m.

SUN.

29

149-216

II

Anchored about  
 4 miles out.  
 Went ashore. Found  
 a sleepy little settlement

MON.

30

150-215  
Memorial Day

II

At anchor Annapolis  
 new  
 a. m. ♂  
 Agd the  
 watch, also  
 a boiler

TUES.

31

151-214

6th Month

JUNE, 1927

30 Days

II

At Anchor Annapolis  
 Had to go to sick  
 bay for treatment

WED.

1

152-213

II

Was transferred to  
 Transmitting Room  
 underground for  
 Norfolk West Va

THUR.

2

153-212

II

Arrived Norfolk  
 Anchored about  
 three miles from  
 beach.

FRI.

3

154-211

II

President Corledge  
 arrives flag. But 7th  
 returns to west coast

SAT.

4

155-210

6th Month	JUNE, 1927	30 Days	6th Month	JUNE, 1927	30 Days
SUN.	at Ancher Norfolk	II	II	Missed three Liberty boats so got	SUN.
5	Visitors aboard today			one and went to bed	12
156-209					163-202
Pentecost					Trinity
MON.	At Ancher Newport	II	II	Went to Brooklyn	MON.
6	Coaled ship. Every thing dirty as usual			Saw Linderbach farmer	13
157-208	Shabbath				164-201
TUES.	Arrived New York	II	II	Went ashore	TUES.
7	went to <sup>first q</sup> <sub>8:30</sub> and phoned with Aunt Anna			full duty.	14
158-207				Admiral inspect tomorrow	165-200
					Flag Day
WED.	At Ancher 9 <sup>th</sup> St	II	II	Admiral Sterling makes brief inspection	WED.
8	Had the duty stayed aboard			leave for Marblehead	15
159-206				head marks	166-199
THUR.	At Ancher 9 <sup>th</sup> St	II	II	At sea	THUR.
9	Stayed aboard all day.			Just Poking	16
160-205				along.	167-198
					Corpus Christi
FRI.	At Ancher 9 <sup>th</sup> St	II	II	Arrived Marblehead	FRI.
10	Went out to Carey Island.			Beautiful little bay	17
161-204				hundreds of pleasure yachts sailing today.	168-197
SAT.	Went to dance	II	II	Marblehead Mass	SAT.
11	at Seilers Club			4 field day	18
162-203				slept all afternoon	169-196

6th Month **JUNE, 1927** 30 Days

**SUN.** Marblehead Mass. ☉  
 Had morning watch.  
**19** Sister's day.  
 170-195

**MON.** Marblehead Mass. ☉  
 Sea Ed. Salem Mass.  
**20** also Lynn and Revere.  
 171-194 Rained all day.

**TUES.** Departed for Portmouth  
**21** Arrived in afternoon.  
 172-198 Still raining

**WED.** Portsmouth New Hampshire  
**22** went ashore. <sup>last of</sup> thru p. m. ☉  
 173-192 Kittery Maine to Portsmouth  
 Looks like a nice place.

**THUR.** Stayed aboard today. ☉  
**23** wrote some letters.  
 174-191 Had evening watch.  
 Leave for Portland tomorrow.

**FRI.** Arrived in Portland 3:15 ☉  
**24** Had the duty.  
 175-190 Looks like a good  
 port to me.

**SAT.** Portland Maine. ☉  
**25** Captain's inspection.  
 176-189 Too cold to go ashore.  
 stayed aboard and wrote letters.

6th Month **JUNE, 1927** 30 Days

**SUN.** Portland Maine. ☉  
 Stayed aboard. **26**  
 177-188 Many visitors today.

**MON.** Portland Maine. ☉  
 Will stay aboard till **27**  
 178-187 Thursday. Slept all  
 day today.

**TUES.** Portland Maine. ☉  
 North Street  
**28** started building  
 179-186 H. F. Transmitter

**WED.** Portland Maine. ☉  
**29** Nothing doing  
 180-185

**THUR.** Portland Maine. ☉  
**30** Pay Day  
 181-184 went ashore

7th Month **JULY, 1927** 31 Days

**FRI.** Portland Maine. ☉  
**1** went out to park and  
 182-183 took pictures

**SAT.** Portland Maine. ☉  
**2** left for Bar  
 183-182 Harbor Maine  
 anchored 6 miles out

7th Month



JULY, 1927

31 Days

7th Month

JULY, 1927

31 Days

SUN.	Aboard off Bar Harbor ☽	☽	Castport Maine	SUN.
3	heavy fog prevents us from going in.		Trying to get leave papers signed.	10
184-181				191-174
MON.	Still held by fog ☽	☽	Castport Maine	MON.
4	but get in late in afternoon.		got leave and left for New York	11
185-180				192-173
Independence Day				
TUES.	Bar Harbor Maine ☽	☽		TUES.
5	went ashore too cold here to have a good time.			12
186-179				193-172
WED.	Bar Harbor Maine ☽	☽		WED.
6	Stayed aboard today			13
187-178				194-171
THUR.	left for Castport ☽	☽		THUR.
7	got very early <sup>first q.</sup>  <sub>a.m.</sub> a downpour of fog			14
188-177				195-170
FRI.	Castport Maine ☽	☽		FRI.
8	Live smelly fishy around here		 full a. m.	15
189-176				196-169
SAT.	Castport Maine ☽	☽		SAT.
9	went ashore nice place			16
190-175				197-168

7th Month

JULY, 1927

31 Days

7th Month

JULY, 1927

31 Days

SUN.

17

198-167

Boston en route <sup>50</sup>  
Portland Maine

Ω

Portland Maine.

May go ashore  
later in the day

SUN.

24

205-160

MON.

18

199-166

Arrived in Portland <sup>50</sup>  
and reported  
aboard. Had some  
good mail today.

Ω

Portland Maine

Stayed ~~aboard~~

Had afternoon

watch in rearing room.

MON.

25

206-159

TUES.

19

200-165

Portland Maine <sup>50</sup>  
went ashore and  
bought needed parts.  
went out to the park.

Ω

Stayed aboard.

Big smoke tonight.

skittle wins all

lights with Arny.

TUES.

26

207-158

WED.

20

201-164

Portland Maine <sup>50</sup>  
My beam was up  
today. Worked on  
new set.

Ω

Portland Maine

Kiss's Lydia & Laura

(Kitchen from N.Y. visit

me. on hike to Bangor Maine.

WED.

27

208-157

THUR.

21

202-163

Portland Maine <sup>50</sup>  
Stayed aboard <sup>last q.</sup>  
today. <sup>men.</sup>

Ω

Portland Maine

<sup>new</sup> going ashore

but feel dazed.

Slept all afternoon.

THUR.

28

209-156

FRI.

22

203-162

Portland Maine <sup>50</sup>  
went ashore for  
dinner. Bought some  
meat.

Ω

Portland Maine

to drum

Stayed aboard to

So - So.

FRI.

29

210-155

SAT.

23

204-161

Portland Maine <sup>50</sup>  
Captains in factory.  
Luffburgh died but  
is delayed by fog.

Ω

Portland Maine

Went ashore.

Kept the visitors

while ashore.

SAT.

30

211-164

7th Month

JULY, 1927

31 Days

SUN.

♊

31

212-153

8th Month

AUGUST, 1927

31 Days

MON.

1

213-152

TUES.

2

214-151

WED.

3

215-150

THUR.

4

216-149

FRI.

5

217-148

SAT.

6

218-147

Portland Maine  
 Great Rain  
 Stayed at home

Portland Maine  
 More Rain

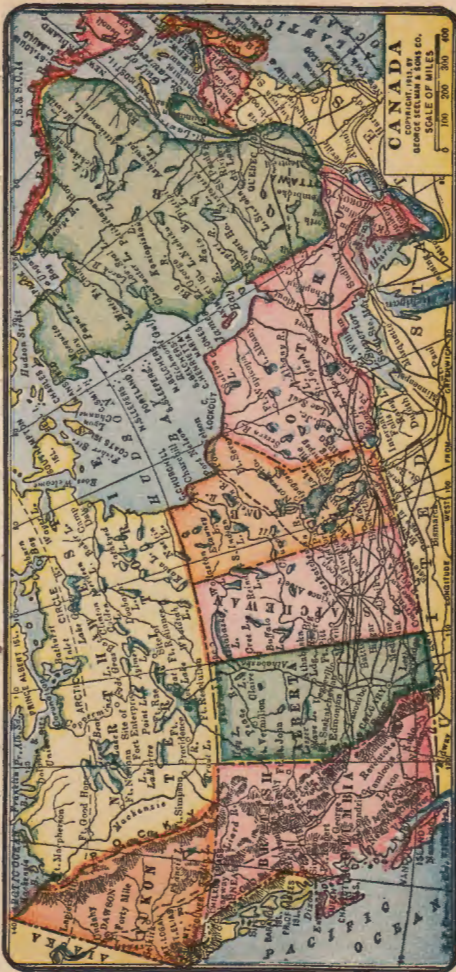
Rain  
 Portland Maine  
 Rained hard  
 today. First visit  
 again

Portland Maine. I  
 went swimming  
 at Eastern Promenade  
 water was like ice

Portland Maine I  
 swimming again.  
 Water somewhat high  
 warmer today.

New York in street I  
 first q. 5 p. m.

Captain's Inspection  
 went swimming  
 again.





UNITED STATES

WESTERN SECTION

SCALE OF MILES

0 50 100 150 200 250 300 350 400

LONGITUDE WEST FROM GREENWICH 100  
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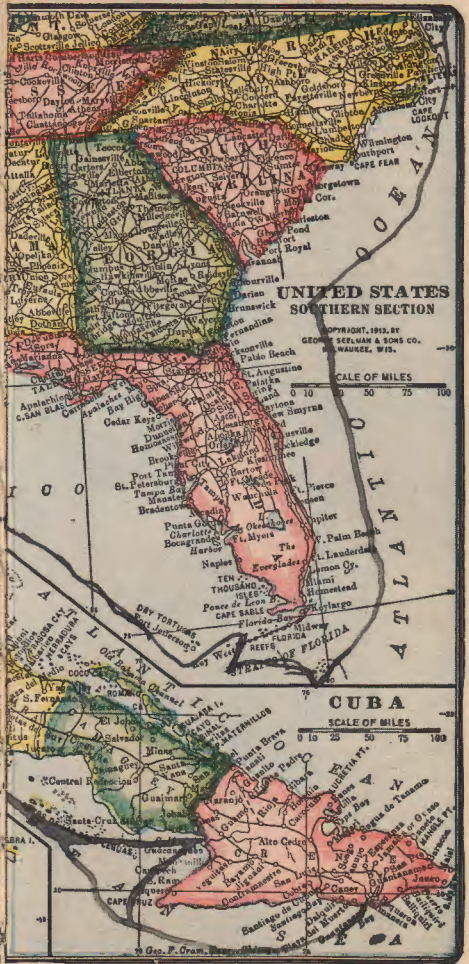
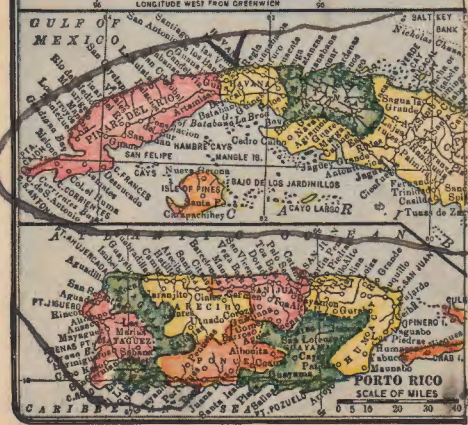
UNITED STATES  
EASTERN SECTION

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BALTIMORE, U.S.A.

SCALE OF MILES

0 10 20 30 40 50 60 75 100













**SUN.** *2* <sup>1</sup> *Portland Maine.*  
*Went aboard all*  
**14** *with for Sunday*  
*went swimming.*  
226-139

**MON.** *2* <sup>1</sup> *Portland Maine.*  
*Went swimming*  
**15** *and had the*  
*med water.*  
227-138  
Assumption

**TUES.** *2* <sup>1</sup> *Portland Maine.*  
*Swimming again*  
**16** *lost a dance date*  
*by temporary note. Busy*  
228-137

**WED.** *2* <sup>1</sup> *Portland Maine.*  
*went to ship farewell*  
**17** *dance. Had a fine*  
*time. Took Mary Liffen home.*  
229-136

**THUR.** *2* <sup>1</sup> *Portland Maine.*  
*was up all last night*  
**18** *worked on double bottom*  
*this morn. left all afternoon.*  
230-135

**FRI.** *2* <sup>1</sup> *Portland Maine.*  
*New York in a*  
**19** *week.*  
231-134

**SAT.** *2* <sup>1</sup> *Portland Maine.*  
*last q. p. m.*  
*went swimming*  
**20** *for the last time*  
*too cold.*  
232-133

**SUN.** *2* <sup>1</sup> *Portland Maine.*  
*Stayed aboard all*  
**21** *days for visitors.*  
233-132

**MON.** *2* <sup>1</sup> *Portland*  
*Restricted for 5 days*  
**22** *lost liberty card.*  
234-131

**TUES.** *2* <sup>1</sup> *Portland Maine.*  
*Whose going*  
**23** *ashore.*  
235-130

**WED.** *2* <sup>1</sup> *Portland Maine.*  
*I am going to get a*  
**24** *chain for my*  
*liberty card.*  
236-129

**THUR.** *2* <sup>1</sup> *Portland Maine.*  
*Started to tear out*  
**25** *some of T R equipment.*  
237-128

**FRI.** *2* <sup>1</sup> *Portland Maine.*  
*worked all day*  
**26** *on wave filter.*  
*Field dug top.*  
238-127

**SAT.** *2* <sup>1</sup> *Portland Maine.*  
*Departed for New York*  
**27** *at 5 p. m.*  
*Heavy fish to starboard.*  
*Captain inspection.*  
239-126

8th Month

AUGUST, 1927

31 Days

SUN.

At Sea. 11X

28

Proceeding slowly  
toward Little  
Old New York  
under Brooklyn Bridge

240-125

MON.

11X

29

at 5:30 A.M.  
Secured all radio  
apparatus

241-124

TUES.

11X

30

Worked hard all  
day. Leaving out  
transmitters

242-123

WED.

11X  
Navy yard Bklyn  
Texas arrives and  
we move our  
equipment.

243-122

9th Month

SEPTEMBER, 1927

30 Days

THUR.

11X

1

Navy yard Bklyn.  
Transferred to Texas  
ward main all day.

244-121

FRI.

11X

2

Worked all  
morning. Ashore in  
evening.

245-120

SAT.

11X

3

Navy yard Bklyn.  
Met Rose Viani  
and went to show

246-119

9th Month

SEPTEMBER, 1927

30 Days

11X

Navy yard Bklyn. - SUN.

first q.  
p. m.Stayed at club all  
day. 247-118

11X

Navy yard Bklyn. MON.

Went out to Bronx  
park with the  
and his girl.

248-117

Labor Day

11X

Navy yard Bklyn. TUES.

Worked today today 5. 6

for the night outfit  
It was the longest day.

249-116

11X

At sea. WED.

Unusually calm sea.

Shifted to white. 250-115

11X

At sea. THUR.

Worked all day in T.R.  
and in S. room.

125 hours all day. 251-114

11X

At sea. FRI.

Worked all day in T.R.

Beathy warm down  
there cold chap. 252-113

11X

At sea. SAT.

Sleeping quarters are  
furnished today. 253-112

9th Month

SEPTEMBER, 1927

30 Days

9th Month

SEPTEMBER, 1927

30 Days

SUN.

11

254-111

at sea  
 Canal Cuba full  
 evening. wrote much  
 letters today.

☾  
 full  
 p.m. ☺

9th Month

SEPTEMBER, 1927

SUN.

18

261-104

at sea  
 last g.  
 p.m. Steaming close  
 to coast of Central  
 America.

☽  
 last g.  
 p.m.

MON.

12

255-110

Defense Day

at sea  
 very day and  
 ship

☾

☾

at sea  
 very day and  
 ship

MON.

19

262-103

TUES.

13

256-109

arrived Colon C.Z. - 05 M  
 went thru the  
 canal today - arrived  
 Balboa C.Z. \$1600

☾

at sea  
 worked all day  
 laying cable in  
 T.R.

TUES.

20

263-102

WED.

14

257-108

went to Panama  
 at  
 I had Beer

☾

☾

at sea  
 worked all day  
 unrolling above cable  
 and replacing it.

WED.

21

264-101

THUR.

15

258-107

Balboa C.Z. ☾  
 started aboard  
 today worked on  
 antenna.

☽

at sea  
 had work  
 again today

THUR.

22

265-100

FRI.

16

259-106

went away at 0600  
 for Ken's Island  
 Redwood 1 bucker  
 was fishing blue

☾

☽

at sea  
 fell down a grid  
 today and hurt  
 my back.

FRI.

23

266-99  
Indian Day

SAT.

17

260-103

worked on  
 antenna in the  
 afternoon.

☾

☽

at sea  
 had to quit work  
 today on account of  
 my back.

SAT.

24

267-98

9th Month	SEPTEMBER, 1927	30 Days	10th Month	OCTOBER, 1927	31 Days
SUN.	At Sea ☰		☰	San Pedro	SUN.
25	Two more days		☰	went ashore, sore finger but had no time much.	2
268-97			☰	San Pedro.	275-90
MON.	At Sea ☰		☰	was granted 12 hrs. extra liberty in order to get finger treated.	MON.
26	It wont be long now. <small>new a. m.</small> ☰		☰	San Pedro.	3
269-96			☰	turned in to first q. D. M. K. has finger & shyness problem.	276-89
TUES.	informal fore up ☰		☰	San Pedro.	TUES.
27	☰		☰	turned in to first q. D. M. K. has finger & shyness problem.	4
270-95	met the folks at dock and went home		☰		277-88
Hebrew New Year			☰		
WED.	San Pedro Harbor ☰		☰		WED.
28	and the city today. stayed aboard.		☰		5
271-94			☰		278-87
THUR.	At anchor Pedro. ☰		☰		THUR.
29	went out to Fullerton		☰		6
272-93			☰		279-86
FRI.	at anchor Pedro. ☰		☰		Yom Kippur
30	Finger was so sore that I had to stay aboard.		☰		FRI.
273-92			☰		7
			☰		280-85
10th Month	OCTOBER, 1927	31 Days	☰		SAT.
SAT.	San Pedro ☰		☰		8
274	Had this water		☰		281-84
191	stayed aboard		☰		

10th Month

OCTOBER, 1927

31 Days

SUN.

9

282-88  
Fire  
Prevention

☾

MON.

10

283-82

☾

TUES.

11

284-81  
Succothfull  
a. m.

☽

WED.

12

285-80  
Columbus  
Day

☾

THUR.

13

286-79

☾

FRI.

14

287-78

☾

SAT.

15

288-77

☾

10th Month

OCTOBER, 1927

31 Days

☾ San Diego Bay.

Back in San Diego  
but cannot go ashore.  
Sent msg to Gray on 305

SUN.

16

289-76

☾ San Diego.

☾<sup>last q.</sup>  
☾<sup>1st m.</sup> one is in a  
mad funk preparing  
for Admiral's inspection

MON.

17

290-75

☾ San Diego.

was released from sick bay  
went ashore and had a  
splendid visit with J. C. Spence.

TUES.

18

291-74

☾ San Diego.

Admiral's inspection.  
He said T. R. looked great.  
Undersung for Pedro at 16:30

WED.

19

292-73

☾ San Pedro Harbor

Request for 20 days  
leave was granted.  
Checked out at 12:30

THUR.

20

293-72

☾  
Watch the Cat  
and Sleep!

FRI.

21

294-71

☾

Have

SAT.

22

295-70

Today is my  
30th day. 30  
much improved

SUNDAY, OCTOBER 23, 1927



U.S.S. SE  
1927

AMERICA'S FIRST LINE OF DEFENSE. Part of the United States Atlantic Fleet at Guantanamo Bay, ready for the important maneuvers that take place annually. It is at these events that the latest battle practice and newest theories of handling ships and guns are tried out.

*Underwood & Underwood.*

10th Month

OCTOBER, 1927

31 Days

10th Month

OCTOBER, 1927

31 Days

SUN.

23

298-69

m

m

SUN.

30

303-62

MON.

24

297-68

m

m

MON.

31

304-61

Halloween

TUES.

25

298-67

m  
new  
p. m.

11th Month

m

NOVEMBER, 1927

30 Days

TUES.

1

305-60

All Saints

WED.

26

299-66

m

m

first q.  
p. m.

WED.

2

306-59

THUR.

27

300-65

m

m

THUR.

3

307-58

FRI.

28

301-64

m

m

FRI.

4

308-57

SAT.

29

302-63

m

m

SAT.

5

309-56

11th Month

NOVEMBER, 1927

30 Days

SUN.

6

310-55

MON.

7

311-54

TUES.

8

312-58

Election

WED.

9

313-52

THUR.

10

314-51

FRI.

11

315-50

Armistice

SAT.

12

316-49

Placed permis all<sup>m</sup>  
day parcel went to  
a show in Santa  
Ana by the evening.

Admiral Pyralis<sup>m</sup>  
relieves Admiral  
Hughes as Com  
U.S. Fleet

No relief present<sup>m</sup>  
ioned for Blundie  
p.m.

Rode thru the<sup>m</sup>  
oil fields with  
Byrlands, Young &  
Lipschultz.

San Pedro Harbor.<sup>m</sup>  
was up all night  
and returned to ship  
at 0800.

San Pedro Harbor<sup>m</sup>  
had Captains  
inspection watch.

11th Month

NOVEMBER, 1927

30 Days

SUN.

13

317-48

MON.

14

318-47

TUES.

15

319-46

WED.

16

320-45

THUR.

17

321-44

FRI.

18

322-43

SAT.

19

323-42

Shall I stay on the  
Texas or not? That  
is the question.  
Much rain today.

Put in request for  
exchange of duty  
hope it is not  
approved.

San Pedro  
has Liberty today  
9 night Battle  
Practice

San Pedro  
Day Day

San Pedro.  
Went home and  
out to Fullerton.

Medway for  
San Diego

San Diego,  
Have a 4<sup>th</sup> tier  
week.

11th Month	NOVEMBER, 1927	30 Days
SUN.	San Diego.	M
20	Spent the day with James	
324-41		
MON.	San Diego.	f
21	making preparations for getting underway.	
825-40		
TUES.	New York for	f
22	New York at 1630	
326-39	from a ground in Bay but not off soon.	
WED.	At sea.	f
23	Seems good to be moving again.	
327-88		
THUR.	At sea.	f
24	Holiday today <sup>new</sup> but we started to tear down Th.	
328-37		
Thanksgiving		
FRI.	At sea.	f
25	It is getting hot again. I wish to	
329-36		
SAT.		f
26		
380-35		

11th Month	NOVEMBER, 1927	30 Days
f	At sea.	SUN.
	After a beautiful morning, about 11:00 AM, we	27
	left the bay and	331-84
		1st Sunday in Advent
f	At sea.	MON.
	Thomas came up	28
	to the deck	332-38
	all day.	
f	At sea.	TUES.
	Took office in the	29
	morning.	338-32
f	At sea.	WED.
	Passing Puelas	30
	Islands today.	334-31
12th Month	DECEMBER, 1927	31 Days
f	Balboa C. Z.	THUR.
	Arrived at oil dock	1
	at 0700. No liberty for me.	335-80
f	Balboa C. Z.	FRI.
	Went ashore with	2
	Mr. Boip. Much Beer.	336-29
	Bought some rick.	
f	Balboa C. Z.	SAT.
	More Beer.	3
		337-28

is in 1925



**SUN.** *Brooklyn Navy Yard*  
**18** *Had the duty*  
352-13

**MON.** *Brooklyn N. Yard*  
**19** *went ashore again*  
*visited Anna.*  
353-12

**TUES.** *Brooklyn N. Yard*  
**20** *Had the duty.*  
*Received a new*  
*team miter.*  
854-11

**WED.** *Brooklyn N. Yard*  
**21** *All hope is given*  
*up for crew of*  
*work continues.*  
355-10

**THUR.** *Brooklyn Navy Yard*  
**22** *went to ground at*  
*Soldier's Sailors Club.*  
356-9

**FRI.** *Brooklyn Navy Yard*  
**23** *Had the duty*  
*sure is cold*  
*here now.*  
357-8

**SAT.** *Brooklyn Navy Yard*  
**24** *Soldier's & Sailors Club*  
*club for 8 mas*  
358-7

**SUN.** *Brooklyn Navy Yard*  
**25** *Went to Dress*  
*Services at Little*  
*Church around the*  
*evening.*  
359-6 Christmas

**MON.** *Brooklyn Navy Yard*  
**26** *holiday at Little*  
*know it and it*  
*was too late*  
360-5

**TUES.** *Brooklyn Navy Yard*  
**27** *worked hard*  
*all day.*  
361-4

**WED.** *Brooklyn Navy Yard*  
**28** *still working and*  
*to a work of the*  
*day.*  
362-3

**THUR.** *Brooklyn Navy Yard*  
**29** *work again*  
*ashore in the*  
*evening.*  
363-2

**FRI.** *Brooklyn Navy Yard*  
**30** *Stayed in + R for*  
*a while and then*  
*got a T.T. four ladies.*  
364-1

**SAT.** *Brooklyn Navy Yard*  
**31** *New Year*  
*in with Anna.*  
365-0

## Signs of the Zodiac and What They Indicate.

The signs of the Zodiac, opposite each date in the Diary, correspond with the following signs, showing the characteristics of persons born on that day:

**♈ ARIES.** Persons born under this sign are simple, lofty and generous. Superior mind, firm will, religious; often artistic, ingenious; natural gift for business; love for outdoor sports; undaunted; easily enraged; seldom hold a grudge; adapted for army or law.

**♉ TAURUS.** Stubborn, proud, difficult to approach; fond of opposition; slow to get excited and slow to calm down; shrewd; straightforward; passions fiery; not persistent; sometimes fickle and jealous; fond of choice food; kidneys, spleen and liver liable to disease.

**♊ GEMINI.** Pleasing disposition; quickly irritated; prompt to repent; inventive genius; love for sciences and talent for commerce; honest and noble-hearted; easy of speech; taste for fine arts; danger from epidemic fevers and malaria.

**♋ CANCER.** Indicates a life of power and incessant activity; disposition taciturn, morals good; imaginative, capricious and fickle; independent and versatile; clever in business and fit to command; possess a natural repulsion against marriage; health excellent; heart liable to be affected, also lungs and respiratory organs.

**♌ LEO.** Will reach high position; lofty of mind; just, with generous heart; enterprising and persevering; somewhat egotistical; never lacking in gratitude; easily aroused, quickly cooled down; affections constant; adapted to command; love pleasures and luxuries; opinions strongly fixed; liable to inflammatory rheumatism, diseases of the lungs and spleen.

**♍ VIRGO.** Will reach honor through personal merit; spirit of equity; honest; mild, modest, amiable, conciling; not easily fathomed; strong will; sentimental; ingenious; slow to anger and slow to quiet down; aptitude for sciences; easily changed; wealth liable to come from hard work in fields of sciences and inventions or office.

**♎ LIBRA.** Gentle, straightforward and pure; merciful, affectionate, frank, confiding, slightly melancholic; anger easily aroused, readily quieted; inventive genius, aptitude for mechanical arts and navigation; handy with tools, quick at figures, devoted to business; changeable in opinions.

**♏ SCORPIO.** Shrewd, persuasive, fickle, dreamy, poetical; often religious; steadfast and persevering; slow to anger and slow to forgive; skillful and patient in all work; love of architecture; stubborn and aggressive; will suffer from headaches and neuralgia.

**♐ SAGITTARIUS.** Strictly honest; ingenious and generous; versatile, peaceable, liberal and impartial; worry about trifles; sensitive and nervous; love of independence and harmony; skillful with the hands; gifted with eloquence; somewhat timid and love solitude; passions fully under control.

**♑ CAPRICORN.** Active, vigorous body; aggressive, saving and inclined to melancholy; shrewd, fair and clever; decidedly versatile; brusque in manners; slow to anger and slow to forgive; prudent and circum-

## Signs of the Zodiac—Continued.

spect; not constant in love; will suffer from gout, rheumatism and stomach disorders.

**♒ AQUARIUS.** Special aptitude for the fine arts, especially as orators or authors; graceful, gentle, and of a simple nature; violent when driven to wrath; lacking in logic; fond of solitude; diligent and patient; well endowed for study and for ruling other people; great traveler; liable to be afflicted with stomach and lung troubles, sick headaches and neuralgia.

**♓ PISCES.** Naturally talented; restless; somewhat pessimistic; strictly honest; poetical, dreamy, high-principled, proud, strong-willed; kind, witty, and sarcastic, slow to anger, quick, vigilant and industrious; eloquent and sociable; afflicted with fevers and troubles of the eye and heart.

**The Moon's Phases.**—Throughout the Diary will be found (under the zodiac signs) the changes of the moon's phases for the year, on the days they occur, the letters a. m. and p. m. indicating whether the change occurs in the morning or evening.

**Months.** *Jan.*—From Roman god Janus. *Feb.*—From Februa, a feast. *Mar.*—1st month of Roman year named after Mars, the god of war. *Apr.*—Latin Aprilis, from *aperio*, "to open." *May*—From Maia, mother of Mercury. *June*—From the Roman name Junius. *July*—Originally called Quintilis (the 5th). Contained 36 days, but made 31 by Julius Cæsar and renamed Jull in his honor. *Aug.*—Originally called Sextilis (the 6th). Renamed for Emperor Augustus (B. C. 63—A. D. 14). *Sept.*—7th Roman month. *Oct.*—8th Roman month. *Nov.*—9th Roman month. *Dec.*—10th Roman month.

## First Historical Things.

Envelopes were first used in 1839.  
Telescopes were invented in 1690.  
Anesthetics were discovered in 1844.  
The first steel pen was made in 1830.  
Watches were first constructed in 1476.  
The first lucifer match was made in 1829.  
The first iron steamship was built in 1830.  
Coaches were first used in England in 1369.  
The first horse railroad was built in 1826-7.  
Modern needles first came into use in 1545.  
The first steamboat plied the Hudson in 1807.  
The first knives were used in England in 1569.  
The first U. S. newspaper was published in 1790.  
Wheeled carriages were first used in France in 1559.  
The first newspaper advertisement appeared in 1652.  
The first newspaper was published in England in 1688.  
Kerosene was first used for lighting purposes in 1826.  
Cotton spinning was done by hand-wheels until 1776.  
The first steam engine in this country was brought from England in 1793.  
The first use of a locomotive in America was in 1820.  
The first telegraph instrument was operated by S. F. B. Morse, the inventor, in 1835. [1840].  
The sewing machine was patented by Elias Howe in

**LEGAL AND CONTRACT RATES OF INTEREST FOR ALL STATES AND STATUTES OF LIMITATIONS — JUDGMENTS, NOTES, OPEN ACCOUNTS**

STATES AND TERRITORIES	INTEREST LAWS.		STATUTES OF LIMITATIONS.		
	Legal Rate.	Rate Allowed by Contract.	Judgments, Years.	Notes, Years.	Open Accounts, Years.
	Pr. ct.	Per ct.			
Alabama.....	8	8	20	6	3
Arkansas.....	6	10	10	5	3
Arizona.....	6	Any rate.	5	4	3
California.....	7	Any rate.	5	4	4
Colorado.....	8	Any rate.	20	6	6
Connecticut.....	6	6	(a) (b)	6	6
Delaware.....	6	6	10	6	3
D. of Columbia	6	10	12	3	3
Florida.....	8	10	20	5	2
Georgia.....	7	8	7	6	4
Idaho.....	7	12	6	5	4
Illinois.....	5	7	20	10	5
Ind. ....	6	8	20	10	6
Iowa.....	6	8	20	0	5
Kansas.....	6	10	5	5	3
Kentucky.....	6	8	15	15	5
Louisiana.....	5	8	10	5	3
Maine.....	6	Any rate.	20	6	6
Maryland.....	6	6	12	3	3
Massachusetts	6	Any rate.	20	6	6
Michigan.....	5	7	10	6	6
Minnesota.....	7	10	10	6	6
Mississippi.....	6	10	7	6	3
Missouri.....	6	8	10	10	5
Montana.....	6	Any rate.	10	5	4
Nebraska.....	7	10	6	5	4
Nevada.....	7	Any rate.	6	4	4
N. Hampshire.....	6	6	20	6	6
New Jersey.....	6	6	20	6	6
New Mexico.....	6	12	7	6	4
New York.....	6	6*	20	6	6
No. Carolina.....	6	6	10	3	3
No. Dakota.....	7	12	10	6	6
Ohio.....	6	8	15	15	3
Oklahoma.....	6	10	6	6	6
Oregon.....	6	10	6	6	6
Pennsylvania.....	6	8	5	6	6
Rhode Island.....	6	Any rate.	20	6	6
So. Carolina.....	7	8	20	6	6
So. Dakota.....	7	12	10	6	6
Tennessee.....	6	6	10	6	6
Texas.....	6	10	10	4	2
Utah.....	8	12	8	6	4
Vermont.....	6	6	8	6	6
Virginia.....	6	6	2 <sup>1</sup> / <sub>2</sub>	5	2
Washington.....	6	12	6	6	3
W. Virginia.....	6	10	10	6	6
Wisconsin.....	6	10	20	6	6
Wyoming.....	8	12	21	5	8

\*New York has by a recent law legalized any rate of interest on call loans of \$5,000 or upward, on collateral security. (a) No limit. (b) Negotiable notes, 6 years; non-negotiable, 17 years.

**RATES OF POSTAGE**

**United States and Possessions.**

**First Class**—Written matter, sealed or unsealed; 2c for each ounce or fraction. Single (U.S.) postal cards, 1c each; double (U.S.) postal cards, 2c each. Private mailing or post cards, 2c each, whether written or printed.

**Second Class**—Transient newspapers and magazines; 2c for each 2 ounces or fraction to 8 ounces, after which fourth class rates apply.

**Third Class**—(1) Merchandise and printed matter; 1½c for each 2 ounces or fraction to 8 ounces, inclusive. (2) Books, catalogues, seeds, cuttings, bulbs, roots, acorns and plants, 1c for each 2 ounces or fraction to 8 ounces, inclusive. Mixed parcels are subject to the 1½c rate of postage. The 1½c rate also applies to printed matter in bound form containing less than 24 pages.

**Fourth Class**—Merchandise and printed matter, including books, catalogues, etc., weighing more than 8 ounces up to 50 (4th to 8th zone) and 70 pounds (1st to 3rd zone); Postage rates; The pound or zone rates, with a service charge of 2c for each parcel. Parcels marked "Special Handling" (handled as first class matter), 25c additional postage.

**Special Delivery**—All classes of mail may be sent by special delivery. The fees are 10c for any article of any class up to 2 pounds in weight; over 2 pounds and up to 10 pounds, 15c; over 10 pounds, 20c.

**Registered Mail**—First, second (transient) and third class mail may be registered. Registry fees on first class matter: Value to \$50.00 indemnity, 15c; \$50.01 to \$100.00 indemnity, 20c. Second Class Registered—No indemnity; Registration fee, 15c. Third Class Registered—Fee for indemnity to \$25.00, 15c.

**Insured Mail**—Third and Fourth Class Mail only—Fees: 5c for value not to exceed \$5.00; 8c for value not to exceed \$25.00; 10c for value not to exceed \$50.00; 25c for value not to exceed \$100.00.

"Return Receipt" for insured and registered mail, 3c for each article insured or registered.

**Foreign Countries.**

Letters for Antigua, Anguilla, Argentina, Aruba, Bahamas, Barbados, Barbuda, Bermuda, Bolivia, Bonaire, Brazil, British Guiana, British Honduras, Canada, Canal Zone, Colombia, Costa Rica, Cuba, Curacao, Dominica, Dominican Rep., Dutch W. Indies, Ecuador, England, Grenadines, Grenada, Haiti, Honduras, Ireland, Jamaica, Leeward Is., Martinique, Mexico, Montserrat, Newfoundland, New Zealand, Nicaragua, Panama (Rep. of), Peru, Salvador, Samoa, Shanghai (China), Scotland, St. Christopher, St. Lucia, St. Martins (Dutch part of), St. Vincent, St. Croix, St. Thomas, St. Kitts, St. Eustatius, Tobago, Trinidad, Virgin Is. (Brit.), Wales, Windward Is., 2c an ounce or fraction thereof. For other countries, 5c for first ounce or fraction; each additional ounce or fraction, 3c. Postal cards, each, 2c. Reply postal cards, 4c.

CASH ACCOUNT

CASH ACCOUNT

Date	Received	Paid	Date	Received	Paid
3/19/27	19 00	5 00			
3/20/27		10 "			
4/5/27	10 00	5 00			
<del>                     Cash                      [Scribbled out text]                      [Scribbled out text]                      [Scribbled out text]                      [Scribbled out text]                      [Scribbled out text]                      [Scribbled out text]                      [Scribbled out text]                      [Scribbled out text]                 </del>					
Pearl Water Ray Oct- Rating 3/2/27 Towels					







65 / CASH ACCOUNT

Date	Received	Paid
Mary Leyden		
97 Monument St.	6293-W	
Portland Me. Forest		
<del>Alice Johnson</del>		
phone Forest 9600		
<del>Portland Maine</del>		
145 Ocean St. R.		
<del>South Portland Maine</del>		
Ross Viani		
542 E 19th St		
<del>New York City</del>		
Anna C. Mink		
352 W. 110th		
apt 3a		
<del>academy 1565</del>		
Mrs. George Strong		
Box 246		
Ouray		
Colorado		

CASH ACCOUNT

Date	Received	Paid
Ann Birkland		
9220 Pleasant Ave		
<del>Chicago Ill.</del>		
Mr. H. B. Wagoner		
2737 Page Drive		
<del>Altadena Calif</del>		
Mrs. W. R. Herrett		
1120 - 1128, Straus Bldg.		
<del>Chicago</del>		
Messrs. Thomas & Ken Ltd.		
Berkley Street		
<del>Bradford</del>		
London W. Z. England		
Mr. H. R. Ackley		
235 1/2 Wilshire Ave.		
<del>Fullerton Calif.</del>		
Mr. P. R. Ackley		
114 Atrium Street		
<del>Anaheim</del>		
California		

## CASH ACCOUNT

Date	Received	Paid
	Wipic Swift	
	Box 157	
	New Meadows, Ida.	
	Irene Forengo	
	257 Douglas St.	
	Pasadena Calif.	
	Pruss Neck	
	U.S.S. Farenholt	
	San Diego Calif.	
	Box 107	
	U.S.S. New Mexico	
	San Francisco	
	Frank Furrell	
	1457 Fiddling	
	Ferry St	
	Carl Minolta	
	2907 Fiddling St	
	Chicago	
	Illinois	

## CASH ACCOUNT

Date	Received	Paid
	Lena Foster	
	69 Parrio Street	
	Portland Maine	
	Horace Myers	
	Bancroft Hall	
	U.S. Naval Academy	
	C. C. Grey	
	U.S.S. Thompson	
	San Diego Calif.	
	Cathar Piercy	
	Univ. of Idaho	
	Moscou Ida.	
	Walt Piercy	
	Studio #4 Pacific Bldg.	
	Portland Oregon	
	Melina Florey	
	513 10th Avenue	
	New York City	
	New York	



POPULATION OF LARGEST CITIES—Cont.

KENTUCKY	
1920	1910
Frankfort	9,905
Henderson	12,189
Lexington	41,534
Louisville	234,891
Newport	29,317
Owensboro	17,424
Paducah	24,735

LOUISIANA	
45,409 sq. mi. 1,798,500	
Alexandria	17,510
Baton Rouge	21,782
Lake Charles	13,083
Monroe	12,675
New Orleans	387,219
Shreveport	43,874

MAINE	
20,895 sq. mi. 768,014	
Auburn	16,985
Augusta	14,114
Bangor	25,978
Bath	14,731
Biddeford	18,008
Lewiston	31,791
Portland	69,272
Waterville	13,351

MARYLAND	
99.41 sq. mi. 1,449,661	
Annapolis	11,214
Baltimore	733,826
Cumberland	29,837
Hagerstown	28,064

MASSACHUSETTS	
8,039 sq. mi. 3,852,356	
Adams	12,967
Arlington	18,665
Attleboro	19,781
Beverly	22,561
Boston	748,060
Brockton	66,254
Brookline	37,748
Cambridge	109,694
Chelsea	43,184
Chicopee	36,214
Clinton	12,979
Everett	40,120
Fall River	120,485
Fitchburg	41,029
Frammingham	17,033
Gardner	16,971
Glocester	22,947
Greenfield	15,462
Haverhill	53,884

1920		1910	
Holyoke	60,203	57,730	
Lawrence	94,270	85,892	
Leominster	19,744	17,880	
Lowell	112,759	106,294	
Lynn	99,148	89,336	
Malden	49,103	44,404	
Marlborough	15,028	14,570	
Medford	39,038	23,150	
Melrose	18,204	15,715	
Methuen	15,189	11,448	
Milford	13,471	13,055	
New Bedford	121,217	96,652	
Newburyport	15,618	14,949	
Newton	46,054	39,806	
North Adams	22,282	22,019	
Northampton	21,951	19,431	
Norwood	12,627	8,014	
Peabody	19,552	15,721	
Pittsfield	41,763	32,121	
Plymouth	13,045	12,141	
Quincy	47,876	32,642	
Revere	28,823	18,219	
Salem	42,529	43,997	
Somerville	93,091	77,236	
Southbridge	14,245	12,592	
Springfield	129,614	88,926	
Taunton	37,137	34,259	
Warefield	13,025	11,404	
Waltham	30,915	27,834	
Watertown	21,457	12,875	
Webster	13,258	11,509	
Westfield	18,604	10,044	
W. Springfield	13,443	9,224	
Weymouth	15,057	12,895	
Woburn	16,574	15,308	
Worcester	179,754	145,986	
Winthrop	15,455	10,132	

MICHIGAN	
146,131 sq. mi. 548,889	
Billings	15,100
Butte	41,611
Great Falls	24,121
Helena	21,037
Missoula	12,668

MICHIGAN	
57,480 sq. mi. 3,668,412	
Ann Arbor	19,516
Battle Creek	36,164
Bay City	47,554
Bent'n Har.	12,233
Detroit	993,678
Escanaba	13,103
Flint	91,599
G'd Rapids	137,634
Hamtramck	48,615
Highland Park	6,499
Holland	12,183
Inwood	15,739
Jackson	48,374
Kalamazoo	48,487
Lansing	57,327

POPULATION OF LARGEST CITIES—Cont.

MICHIGAN	
1920	1910
Marquette	12,718
Muskegon	36,570
Owosso	15,575
Pontiac	32,473
Port Huron	25,944
Saginaw	61,903
Sault S. Marie	12,096
Wyandotte	13,851

MINNESOTA	
80,858 sq. mi. 2,387,125	
Duluth	98,017
Hibbing	15,089
Mankato	12,469
Minneapolis	380,582
Rochester	13,722
St. Cloud	15,873
St. Paul	234,698
Virginia	14,022
Winona	19,143

MISSISSIPPI	
46,362 sq. mi. 1,790,618	
Hattiesburg	13,270
Jackson	22,817
Laurel	13,037
Meridian	23,399
Natchez	12,608
Vicksburg	18,072

MISSOURI	
68,727 sq. mi. 3,404,055	
Hannibal	19,306
Jefferson C'y	14,940
Joplin	29,902
Kansas City	324,410
Moberly	12,808
St. Joseph	77,939
St. Louis	772,897
Sedalia	21,144
Springfield	39,631

MONTANA	
146,131 sq. mi. 548,889	
Billings	15,100
Butte	41,611
Great Falls	24,121
Helena	21,037
Missoula	12,668

NEBRASKA	
76,808 sq. mi. 1,296,372	
Grand Island	13,947
Lincoln	54,948
Omaha	191,601

NEVADA	
109,821 sq. mi. 77,408	
Carson City	11,685
Reno	12,016

NEW HAMPSHIRE	
9,031 sq. mi. 443,083	
1920	1910
Berlin	18,104
Concord	22,167
Dover	13,029
Manchester	78,384
Nashua	28,379
Portsmouth	13,569

NEW JERSEY	
7,514 sq. mi. 3,155,900	
Asbury Park	12,400
Atlantic City	50,707
Bayonne	76,574
Belleville	15,660
Brigden	22,019
Bridgeport	14,323
Camden	116,309
Clifton	26,470
East Orange	50,710
Elizabeth	95,783
Glocester	12,162
Garfield	19,381
Hackensack	17,667
Harrison	15,721
Hoboken	68,166
Irvington	25,480
Jersey City	298,103

NEW MEXICO	
122,503 sq. mi. 360,350	
Albuquerque	15,157
Santa Fe	7,236

NEW HAMPSHIRE	
9,031 sq. mi. 443,083	
1920	1910
Berlin	18,104
Concord	22,167
Dover	13,029
Manchester	78,384
Nashua	28,379
Portsmouth	13,569

NEW JERSEY	
7,514 sq. mi. 3,155,900	
Asbury Park	12,400
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East Orange	50,710
Elizabeth	95,783
Glocester	12,162
Garfield	19,381
Hackensack	17,667
Harrison	15,721
Hoboken	68,166
Irvington	25,480
Jersey City	298,103
Kearny	26,724
Long Branch	13,321
Millville	14,991
Montclair	28,810
Morristown	12,548
Newark	414,524
New Bruns'k	32,779
Orange	33,268
Passaic	63,841
Parsippany	135,875
Perth Amboy	14,707
Phillipsburg	16,923
Plainfield	27,700
Princeton	110,289
Union	20,651
West N. York	29,926
West Orange	15,578

## POPULATION OF LARGEST CITIES—Cont.

NEW YORK		1920	1910	
77,854 sq. mi.	10,385,227	Greensboro	19,861	15,895
1920	1910	High Point	14,302	9,525
Albany	*113,344	New Bern	12,198	9,961
Amsterdam	33,524	Raleigh	*24,418	19,218
Auburn	36,192	Rocky Mt.	12,742	8,051
Bstavia	13,541	Salisbury	13,884	7,153
Binghamton	66,800	Wilmington	33,372	25,748
Buffalo	506,775	Wins'n-Salem	48,395	22,700
Cohoes	22,987	NORTH DAKOTA		
Corning	15,820	70,183 sq. mi.	646,872	
Corland	13,294	Bismarek	*7,122	5,443
Dunkirk	19,336	Fargo	21,961	14,331
Elmira	45,393	Grand Forks	14,010	12,478
Fulton	13,043	OHIO		
Geneva	14,648	40,740 sq. mi.	5,759,394	
Glens Falls	16,638	Akron	208,435	69,067
Gloversville	22,075	Alliance	21,603	15,083
Hornell	15,025	Ashtabula	22,082	18,266
Ithaca	17,004	Barberton	18,811	9,410
Jamestown	38,917	Bellaire	15,061	12,946
Kingston	26,688	Cambridge	13,104	11,327
Lackawanna	17,918	Canton	87,091	50,217
Little Falls	13,029	Chillicothe	15,831	14,508
Lockport	21,308	Cincinnati	401,247	363,591
Middletown	13,420	Cleveland	796,841	560,663
Mt. Vernon	42,726	Clevel'd Hts.	15,236	2,955
New Rochelle	36,213	Columbus	*237,031	181,511
N. York	5,620,048-4,	Dayton	157,559	116,577
Newburgh	30,366	E. Cleveland	27,292	9,179
Niagara Falls	50,760	E. Liverpool	21,411	20,887
N. Ton'w'da	15,482	Elyria	20,474	14,825
Ogdensburg	14,609	Findlay	17,021	14,858
Olean	20,506	Fremont	12,468	9,939
Oswego	23,626	Hamilton	39,675	35,279
Peekskill	15,868	Ironton	14,007	13,147
Port Chester	16,573	Kenmore	12,683	1,561
Poughkeepsie	35,000	Lakewood	41,732	15,181
Rochester	295,750	Lancaster	14,706	13,093
Rome	26,341	Lima	41,326	30,508
Saratoga Spr.	13,181	Lorain	37,295	28,883
Schenectady	88,723	Mansfield	27,824	20,768
Syracuse	171,717	Marietta	15,140	12,923
Troy	72,013	Marion	27,891	18,232
Utica	94,156	Massillon	17,428	13,879
Watertown	31,285	Middletown	23,594	13,152
Waterviet	16,073	Newark	26,718	25,404
White Plains	21,031	Niles	13,080	8,361
Yonkers	100,176	Norwood	24,966	16,185
NORTH CAROLINA		Piqua	15,044	13,388
48,740 sq. mi.	2,559,123	Portsmouth	33,011	23,481
Asheville	28,504	Sandusky	22,897	19,989
Charlotte	46,338	Springfield	60,840	46,921
Durham	21,719	Steubenville	28,504	22,391
Gastonia	12,871	Tiffin	14,376	11,894

## POPULATION OF LARGEST CITIES—Cont.

OHIO		1920	1910	1920		1910
Toledo	243,164	168,497	McKeesRocks	13,713	14,702	
Warren	27,050	11,081	McKeesport	46,781	42,604	
Youngstown	132,358	79,066	Mahany City	15,599	15,930	
Zanesville	29,569	28,026	Meaville	14,568	12,786	
OKLAHOMA		69,414 sq. mi.		2,028,283		
Ardmore	14,181	8,618	Monessen	18,179	11,775	
Bartlesville	14,417	6,181	Mt. Carmel	17,469	17,532	
Enid	16,576	13,799	Nantioque	22,614	18,877	
McAlester	12,095	12,954	New Castle	44,938	36,280	
Muskogee	30,277	25,278	Norristown	32,319	27,875	
Oklahoma	*91,295	64,205	No. Braddock	14,928	11,824	
Okmulgee	17,430	4,176	Oil City	21,274	15,657	
Shawnee	15,348	12,474	Old Forge	12,237	11,820	
Tulsa	72,075	18,182	Philadel.	1,823,779-1,	549,008	
OREGON		95,607 sq. mi.		783,389		
Astoria	14,027	9,599	Pittsburgh	589,343	533,903	
Portland	258,288	207,214	Pittston	18,497	16,267	
Salem	*17,679	14,094	Plymouth	16,500	19,990	
PENNSYLVANIA		44,832 sq. mi.		8,720,017		
Allentown	73,502	51,913	Pottstown	17,431	15,599	
Altoona	60,331	52,127	Pottsville	21,876	20,230	
Ambridge	12,730	5,205	Reading	107,784	96,071	
Beaver Falls	12,802	12,191	Scranton	137,783	129,867	
Berwick	12,181	5,357	Shamokin	21,204	19,583	
Bethlehem	50,358	12,837	Sharon	21,747	20,120	
Bradock	20,879	19,357	Sheunadoah	24,726	23,774	
Bradford	15,525	14,544	Steelton	13,428	14,246	
Butler	23,778	20,728	Sunbury	15,721	13,770	
Carbondale	18,640	17,040	Tamaqua	12,363	9,462	
Chambersburg	13,171	11,800	Uniontown	15,692	13,344	
Chester	58,030	38,537	Washington	21,480	18,778	
Coatesville	14,515	11,084	Warren	14,272	11,080	
Connellsville	13,804	12,845	Wilkes-Barre	73,833	67,085	
Donora	14,131	8,174	Williamsport	22,403	19,924	
Du Bois	13,681	12,623	Woodlawn	36,198	31,860	
Dunmore	20,250	17,615	York	12,495	13,966	
Duquesne	19,011	15,727	RHODE ISLAND			
Easton	33,813	28,523	1,067 sq. mi.	604,397		
Erie	93,372	66,525	Central Falls	24,174	22,754	
Farrell	15,586	10,190	Cranston	29,407	21,107	
Greensburg	15,033	13,012	E. Providence	21,793	15,808	
Harrisburg	*75,917	64,186	Newport	30,255	27,149	
Hasleton	32,277	25,452	Pawtucket	64,248	51,622	
Homestead	20,452	18,713	Providence	*237,595	224,326	
Johnstown	67,327	55,482	Warwick	13,481	16,629	
Lancaster	53,150	47,227	W. Warwick	15,461	17,625	
Lebanon	24,643	19,240	Woonsocket	43,496	38,129	
SOUTH CAROLINA		30,495 sq. mi.		1,683,724		
Charleston	67,957	58,833				
Columbia	*37,524	26,319				
Greenville	23,127	15,741				
Spartanburg	22,638	17,517				

POPULATION OF LARGEST CITIES—Cont.

SOUTH DAKOTA		1920	1910
76,868 sq. mi.	636,547	Norfolk	115,777 67,452
1920	1910	Petersburg	31,012 24,127
Aberdeen	14,537 10,753	Portsmouth	54,387 83,190
Pierre	*3,209 3,656	Richmond	*171,667 127,823
Sioux Falls	25,202 14,094	Roanoke	50,842 34,874

TENNESSEE	
41,687 sq. mi.	2,337,885
Chattanooga	57,895 44,604
Jackson	18,860 15,779
Johnson City	12,442 8,502
Knoxville	77,818 36,346
Memphis	132,351 131,105
Nashville	118,342 110,364

TEXAS	
262,398 sq. mi.	4,663,228
Amarillo	15,494 9,957
Austin	*34,876 29,860
Beaumont	40,422 20,640
Cleburne	12,820 10,364
Dallas	158,976 92,104
Denison	17,065 13,632
El Paso	77,560 39,279
Fort Worth	106,482 73,312
Galveston	44,255 38,981
Greenville	12,384 8,850
Houston	138,276 78,800
Laredo	22,710 14,855
Marshall	14,271 11,452
Paris	15,040 11,269
Port Arthur	22,251 7,663
Ranger	16,205 00,000
San Antonio	161,379 96,614
Sherman	15,031 12,412
Tyler	12,085 10,400
Waco	38,500 26,425
Wichita Falls	40,079 8,200

UTAH	
82,184 sq. mi.	449,396
Ogden	32,804 25,880
Salt Lake City	*118,110 92,777

VERMONT	
9,124 sq. mi.	352,428
Burlington	22,779 20,488
Montpelier	*7,125 7,856
Rutland	14,954 13,546

VIRGINIA	
40,282 sq. mi.	2,300,187
Alexandria	18,060 15,326
Danville	21,539 19,020
Lynchburg	30,070 29,494
Newp't News	35,596 20,205

WASHINGTON	
46,836 sq. mi.	1,356,621
Aberdeen	15,337 13,660
Bellingham	25,585 24,298
Everett	27,644 24,814
Olympia	*7,795 6,996
Seattle	315,312 237,194
Spokane	104,437 104,402
Tacoma	96,965 83,743
Vancouver	12,837 9,300
Walla Walla	15,503 19,364
Yakima	18,539 14,082

WEST VIRGINIA	
24,022 sq. mi.	1,463,701
Bluefield	15,282 11,188
Charleston	*39,608 22,996
Clarksburg	27,869 9,201
Fairmont	17,851 9,711
Huntington	50,177 31,161
Martinsburg	12,515 10,698
Morgantown	12,127 9,150
Parkersburg	20,050 17,842
Wheeling	56,208 41,641

WISCONSIN	
55,256 sq. mi.	2,632,067
Appleton	19,561 16,773
Beloit	21,284 15,125
Eau Claire	20,906 18,210
Fond du Lac	23,427 18,797
Green Bay	31,017 25,236
Janesville	18,293 13,894
Kenosha	40,472 21,371
La Crosse	30,421 30,417
Madison	*38,378 25,531
Manitowoc	17,563 13,027
Marinette	13,610 14,610
Milwaukee	457,147 373,857
Oshkosh	33,162 33,062
Racine	58,593 38,002
Sheboygan	30,955 26,398
Superior	39,671 40,384
Waukesha	12,558 8,740
Wausau	18,661 16,560
West Allis	13,745 6,645

WYOMING	
97,548 sq. mi.	194,402
Cheyenne	*13,829 11,320

Population of Principal Canadian Cities

	1921	1911
Montreal, Que.	618,506	490,504
Toronto, Ont.	521,893	381,833
Winnipeg, Man.	179,897	136,035
Vancouver, B. C.	117,217	100,401
Ottawa, Ont.	114,151	81,969
Quebec, Que.	97,843	87,062
Calgary, Alta.	87,193	78,710
London, Ont.	63,305	43,704
Edmonton, Alta.	60,959	46,300
Halifax, N. S.	58,821	31,064
St. John, N. B.	58,372	46,619
Victoria, B. C.	47,166	42,511
Windsor, Ont.	38,727	31,660
Begins, Sask.	38,591	17,829
Brantford, Ont.	34,432	30,123
Saskatoon, Sask.	29,440	23,132
Verdun, Que.	25,739	12,004
Hull, Que.	25,001	11,629
Sherbrooke, Que.	24,117	19,222
Sydney, N. S.	23,515	16,405
Three Rivers, Que.	22,545	17,723
Kitchener, Ont.	22,367	13,691
Kingston, Ont.	21,763	15,196
Sault Ste. Marie, Ont.	21,768	18,974
Peterborough, Ont.	21,092	14,920
Fort William, Ont.	20,984	18,360
St. Catharines, Ont.	20,541	16,499
Moosajaw, Sask.	19,581	12,484
Georgetown, Ont.	19,255	13,293
Windsor, Ont.	18,258	15,175
Moncton, N. B.	17,593	14,579
Glace Bay, N. S.	17,488	11,345
Stratford, Ont.	17,007	16,562
St. Thomas, Ont.	16,094	12,946
Lachine, Que.	16,026	14,054
Brandon, Man.	15,404	11,888
Port Arthur, Ont.	15,387	13,839
Sarnia, Ont.	14,886	11,320
Niagara Falls, Ont.	14,877	9,847
New Westminster, B. C.	14,764	9,248
Chatham, Ont.	14,495	13,190
Outremont, Que.	13,256	10,770
Galt, Ont.	13,249	4,820
St. Boniface, Man.	13,216	10,299
Charlottetown, P. E. I.	12,821	7,483
Belleville, Ont.	12,347	11,208
Owen Sound, Ont.	12,206	9,876
Oshawa, Ont.	12,190	12,558
Lethbridge, Alta.	11,940	7,036
St. Hyacinthe, Que.	11,097	9,035
North Bay, Ont.	10,859	9,707
Shawinigan Falls, Que.	10,692	7,737
Levis, Que.	10,625	4,265
Brockville, Ont.	10,470	8,703
Amherst, N. S.	10,043	9,374
Woodstock, Ont.	9,998	8,973
Medicine Hat, Alta.	9,935	9,320
Valleyfield, Que.	9,834	5,608
	9,216	9,449

## USEFUL INFORMATION

To find diameter of a circle, multiply circumference by .31831.

To find circumference of a circle multiply diameter by 3.1416.

To find area of a circle multiply square of diameter by .7854.

To find surface of a ball multiply square of diameter by 3.1416.

To find side of an equal square multiply diameter by .8862.

To find cubic inches in a ball multiply cube of diameter by .5236.

Doubling the diameter of a pipe increases its capacity four times.

Double riveting is from 16 to 20 per cent. stronger than single.

One cubic foot of anthracite coal weighs about 53 pounds.

One cubic foot of bituminous coal weighs 47 to 50 pounds.

One ton of coal is equivalent to two cords of wood for steam purposes.

A gallon of water (U. S. standard) weighs 8 $\frac{1}{8}$  lb. and contains 231 cubic inches.

There are nine square feet of heating surface to each square foot of grate surface.

A cubic foot of water contains 7 $\frac{1}{2}$  gallons, 1728 cubic inches, and weighs 62 $\frac{1}{2}$  lb.

Each nominal horsepower of a boiler requires 30 to 35 pounds of water per hour.

To sharpen dull files lay them in dilute sulphuric acid until they are eaten deep enough.

A horsepower is equivalent to raising 33,000 lb. one foot per minute, or 550 lb. one foot per second.

The average consumption of coal for steam boilers is 12 lb. per hour for each square foot of grate surface.

To find the pressure in pounds per square inch of a column of water, multiply the height of the column in feet by .434.

Steam rising from water at its boiling point (212 degrees) has a pressure equal to the atmosphere (14.7 lb. to the square inch).

To evaporate one cubic foot of water requires the consumption of 7 $\frac{1}{2}$  lb. of ordinary coal, or about one pound of coal to 1 gallon of water.

One-sixth of tensile strength of plate multiplied by thickness of plate and divided by one-half diameter of boiler gives safe working pressure for tubular boilers. For marine boilers add 20 per cent. for drilled holes.

No plate or bars of either iron or steel should be worked at a *black or blue heat* (about 500°); the material will stand far more strain *either red hot or cold*, while at an intermediate point great risks will be run.

## BUSINESS LAW IN BRIEF

Ignorance of the law excuses no one.

If a note is lost or stolen it does not release the maker; he must pay it if the consideration for which it was given and the amount can be proven.

Notes bear interest only when so stated.

Principals are responsible for the acts of their agents.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of a special partnership. The acts of one partner bind the rest. The word "limited" in connection with a firm name indicates that a limitation of responsibility for each member is fixed.

An agreement without consideration of value is void.

A note made on a Sunday is void, also one dated ahead of its issue. It may be dated back at pleasure.

Contracts made on Sunday cannot be enforced.

A note made by a minor is void in some States, and in others it is voidable on judicial decision.

A contract made by a minor, or a lunatic, is void.

A note obtained by fraud or from a person in a state of intoxication cannot be collected. It is a fraud to conceal a fraud.

Signatures made with a lead pencil are good in law.

"Value received" is usually written in a note, and should be, but it is not necessary. If not written it is presumed by the law or may be supplied by proof.

The maker of an "accommodation" bill or note (one for which he has received no consideration), having lent his name or credit for the benefit of the holder, is not bound to the person accommodated, but is bound to all other parties precise y as if there were a good consideration.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

An indorsee has a right of action against all whose names were on the bill when he received it.

If a letter containing a protest of non-payment be put into the post-office, any miscarriage does not affect the party giving notice.

Notice of protest may be sent either to the place of business or residence of the party notified.

# WEIGHTS AND MEASURES

## Troy Weight

24 grains=1 pwt.  
20 pwts.=1 ounce.  
Used for weighing gold, silver and jewels.

## Apothecaries' Weight

20 grains=1 scruple.  
3 scruples=1 dram.  
The ounce and pound in this are the same as in Troy weight.

## Avoirdupois Weight

27 11-32 grains=1 dram  
16 drams=1 ounce.  
18 ounces=1 pound.  
25 pounds=1 quarter.

## Dry Measure

2 pints=1 quart.  
8 quarts=1 peck.  
4 pecks=1 bushel.  
32 bushels=1 chaldron

## Liquid Measure

4 gills=1 pint.  
2 pints=1 quart.  
4 quarts=1 gallon.  
2 1/2 gallons=1 barrel.  
2 barrels=1 hogshead.

## Mariners' Measure

6 feet=1 fathom.  
20 fathoms=1 cab. le'th.  
7 1/2 cable lengths=1 mile.  
5,280 feet=1 stat. mile.  
6,085 ft.=1 naut. mile

## Miscellaneous

3 inches=1 palm.  
4 inches=1 hand.  
6 inches=1 span.  
18 inches=1 cubit.  
21.8 in.=1 Bible cubit.  
2 1/2 ft.=1 military pace.

## Square Measure

144 sq. inches=1 sq. ft.  
9 sq. ft.=1 sq. yard.  
30 1/4 sq. yds.=1 sq. rod.  
40 sq. rods=1 rood.  
4 roods=1 acre.  
640 acres=1 sq. mile.

## Surveyors' Measure

7 1/2 inches=1 link.  
25 links=1 rod.  
10 sq. chains or 160 sq. rods.=1 acre.  
640 acres=1 sq. mile.  
36 sq. miles (6 miles sq.)=1 township.

## Cubic Measure

1.728 cub. in.=1 cub. ft.  
27 cub. ft.=1 cub. yd.  
2,150.42 cubic inches=1 standard bushel.  
231 cubic inches=1 standard gallon.  
1 cubic foot=about four fifths of a bushel.

## Long Measure

12 inches=1 foot.  
3 feet=1 yard.  
5 1/2 yards=1 rod.  
40 rods=1 furlong.  
8 furlongs=1 sta. mile.  
3 miles=1 league.

# MEDICAL AND SURGICAL HINTS.

By C. G. CAPRON, M. D.

Surgeon-in-Chief C. T. M. A. A of America.

1. **Procrastination** is the thief of time; when injured do not "take a chance." have advice at once. By so doing you may save much suffering and many dollars.

2. **For Sprains**—Irrigation, emersion, or pack in hot water, complete rest; after swelling and pain lessen apply anti-phlogistine. When swelling is well reduced strap injured part with o. z. (zinc oxide) adhesive plaster.

3. **For Dog Bites**—Cauterize with strong nitric or carbolic acid. If these cannot be had use a live coal or red hot iron. Dress antiseptically.

4. **For Insect Stings**—Apply locally aromatic spirits of ammonia, strong solution baking soda, anti-phlogistine.

5. **For Punctured Wounds**—Use a solution of bromine 1 to 50. Or this solution 1 teaspoonful to 2 ozs. of water, apply with wet dressing and keep it damp. Bi-iodide of mercury 1 to 5000 solution, dressing to the lips with.

6. **For Hemorrhage Following Wounds**—Do the safe thing—constrict the circulation both above and below the wound.

7. **When your Mercuria** comes down and you can not reduce after trying for 10 minutes, a physician and a few whiffs of chloroform will do it for you.

8. **For Burns**—Home remedies are often most efficacious. First cover the burned area with sweet (table) oil, then apply plenty of baking soda and bandages. By the time the doctor arrives you may not need him.

9. **For Nose Bleed**—Go to back of neck, snuff alum water, inhale spirits of camphor, plug nostrils with cotton saturated with diluted vinegar.

10. **For Fainting**—Fresh air, clothing loose, head low, take aromatic spirits of ammonia one-half to one teaspoonful in a swallow of water, also equal parts of whiskey and water.

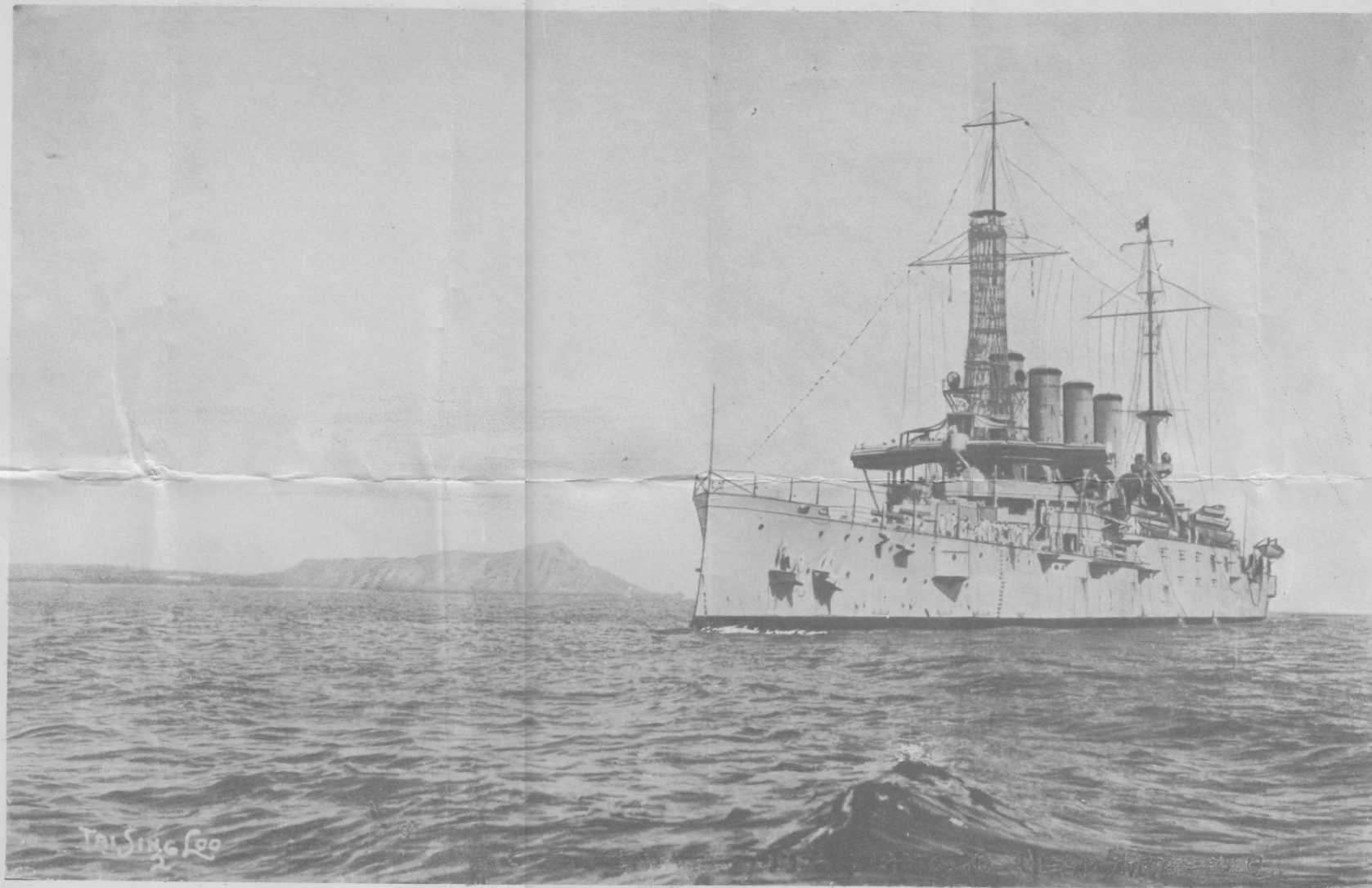
11. **For Colic or Pain in Bowels**—Don't get "stage fright" about your appendix; take one or two tablespoonfuls of castor oil, followed by glass of hot water; repeat this dose in three or four hours if necessary. An occasional dose on this remedy "like mother used to give" may save your appendix from the hands of a surgeon.

12. **Remember that alcohol externally** is one of our best antiseptics. After scrubbing the hands, pour alcohol over them before you dress an open wound.

13. **Remember, every "grip"** should contain aromatic spirits of ammonia and a First Aid to the Injured package. They may be more essential than an apparel.



## Gallant Leader of the Fleet



Here's the gallant leader of the great American Fleet—the U. S. S. Seattle, flagship of Admiral Robert E. Coontz, commander of the fleet. Powerful, speedy and equipped with the most modern devices, this magnificent cruiser is not only the official leader of the Fleet, but a crack fighting-machine as well. This photo shows the Seattle just off Honolulu harbor, with Diamond Head, a great extinct crater, in the background.—Photo by Tai Sing Loo, Honolulu.

Honolulu Star-Bulletin Fleet Edition, 1925.



Guatemala

1926-27

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