

PLAINTIFF'S
EXHIBIT

DUP-174



E. I. DU PONT DE NEMOURS & COMPANY

WILMINGTON, DELAWARE 19888

EMPLOYEE RELATIONS DEPARTMENT

HASKELL LABORATORY
FOR
TOXICOLOGY AND INDUSTRIAL MEDICINE

April 22, 1970

TO : See Distribution List

FROM: James F. Morgan
Employee Relations Department
Haskell Laboratory

ASBESTOS CONFERENCE
May 6 and 7, 1970

Attached herewith is the program for the Company-wide conference that was proposed in my letter of February 2, 1970 to all liaison personnel.

To date we have had indications that about fifty-six persons will attend. The sessions will be held at the Du Pont Country Club. It is expected that the total cost of holding this conference, exclusive of attendees' travel expenses, when distributed on a per capita basis, will amount to ten to twenty dollars per person. I should receive in advance of the meeting a general ledger account with appropriate sub-accounts to cover the per capita cost for each person who expects to attend.

Additional information regarding exact locations and times and more about the format of the second day's session will be forthcoming shortly.

JFM/bjd
Attachment

DUP 0901386

BETTER THINGS FOR BETTER LIVING... THROUGH CHEMISTRY

120698

ASBESTOS CONFERENCE

Preliminary Program

Du Pont Country Club
Wilmington, Delaware

May 6, 1970

9:00 A.M. Introduction

C. A. D'Alonzo, M.D.

Chairman's Remarks

G. J. Stopps, M.B., B.S.

Types of Asbestos Minerals.

J. P. Morgan

History and Description of Diseases Produced by
the Inhalation of Asbestos.

R. T. P. de Treville, M.D.
President
Industrial Hygiene Foundation of America, Inc.

1:30 P.M. Environmental Surveys - Measurement of
Concentrations of Asbestos Fibers and Particles in
the Air in Work Places.

M. B. Ayer
J. R. Lynch
U. S. Public Health Service
Cincinnati, Ohio

DUP 0901337

120699

5/6/70

Asbestos

EXHIBIT # Lab-7

5/7/70

uses

Jim

DATE 1-20-71

W. J. H. & FORMAN, INC.
CERTIFIED SHORTHAND REPORTERS

1. Thermal Insulation

7.5 m of insulating materials used

8.6 - 2090 asbestos content

1490 in masonry

Amurite and Augurite

8.67 Amurite only

Asbestos cement - pipe, sheet, tile

Packings & gaskets

Brake linings

Some use in products - Brake, Linings

Electrical insulation

Filters (air)

Gloves

Sheet

Radiator stop leak

Translits in tile, up to 2090

asbestos-like

Asbestos wrapper

methods of sampling

San Prot will adopt Jay Lynskey's
recommendation

Acceptable Limits 5/7/70 2

1968 revision 2 mppct. length
5 > 5m

1970 " 2 mppct length
2 > 5m 4

Currents 12 > 5m

* Britail

Harbell Ltd and ESD joint study
on dentures of manufacturing
materials - George Lang of ESD
and John Morgan. Try to eliminate
accidents - measure relative hazard.

"Unilever" has poor history

Thermal much better for attrition in
shipping containers.

Torquators during dismantling

"Dentals" 22 218 Bensen King Ltd

needed. Completely non-sufficient

retentive history required

old Hickory 9 and 23 were old timers

one had 60% vital capacity - fibrotic

One living corner, one microtubule
(not an insulator) Schidoff's article
stated by Levine, no difficulty in providing
any further to our requirements.
Check X-ray annually.

Schidoff's article - remember to keep
summaries - watch J. Org. Chem.
Du Pont's forced to accept the 5 > 5
part of TLV.

Depont

Asbestos's Conference

6 May 70

Widgwood Run -> Parking Room -> Lab

Widgwood Run -> Tunnel

Types of Asbestos Minerals J. Morgan

- mineral asbestos

- extremely small diameter compared to other fibers

Different types differ by: 1. Chemical 2. Crystal 3. Amount
a. origin

3. composition 1. silicate

c. structure

d. properties 1. 0.1-0.5 μ

Origin:

Types of rock ^{serpentine, amphibole} chrysotile ^{hornblende} amphibole ^{pyroxene} pyroxene ^{heat = H₂O} heat = H₂O $\rightarrow$

crystals -> fibers

Serpentine $\rightarrow$ chrysotile

Amphibole $\rightarrow$ Other types hornblende, actinolite, crocidolite, amosite

Imports: 1968

Canada (Chrysotile) 690,000 short tons \$65 million

South Africa crocidolite + amosite \$6 million

Characteristics - resistant to acids, alkalis, heat, radiation
spinability

Chrysotile Properties

190

- yellow to greenish color $\rightarrow$ white fibers

- small fibers less than 1 inch to 2 inches

single hydrated magnesium silicate

DUP 0901407

Teptile - inaptile - 22?

Crocidolite

- $3H_2O \cdot 2Na_2O \cdot 6(FeMg)O \cdot 2Fe_2O_3 - 172C$
- 2-3% H_2O
- in Africa
- Australia
- Color is blue; known as blue asbestos - due to the Na
- better resistance to acids, alcohols and sea water;
- used more - ship building

Amosite

- used by D. import for heat insulation

Pol. de Tremblay

- Paris

Histroy - Medical Aspects

N.Y. Acad. of Science. Colloquy effects Dec 31, 1955

Inland Higgins Highlights 1955

Fibrosis Dust Publications of International

Hygiene Foundation

first lung cancer in asbestos reported in 1955, South U of South Carolina

Asbestosis

1900's asbestosis noted

fibrosis similar in some respects to silicosis - fibrous deposits in that silicosis has nodules - asbestosis more diffuse - accompanied by emphysema:

more difficult to recognize;

- no right heart failure or cor pulmonale often found

- occurs with all types

- 10 to 20 years required

120701

DUP 0901408

Adenoma

May 70

- Knopf in England found series of deaths (100) from lung cancer in textile workers,
- Dr. J. Brown looked at Canada and did not find a clear cut differentiation
- Paul Kover - M.D.

- can produce CA in rats & caused chrysotil for 16 months (1970).

- assume that the hammering of the chrysotil resulted in it picking up trace amounts from the hammer and these may be producing the CA.

- Knopf - cleaned up the slope - found that the exposure being CA no longer existed

Dr. Wagner

Mesothelioma - saw 7 around Cape May in S. Africa
1/2 of exposure 40 yrs before; and as sand piles -
along the roads; non occupational exposure

Dr. Thompson in S. Africa

- asbestos bodies - dumbbell bodies - stain blue, high ferritin

- 25% people in S. Africa - Miami had these asbestos bodies at post autopsy

? Dr. Thompson: - raised question of exposure from truck drivers

non transparent water - false or pseudo bodies.
Transparent - True

Ferruginous body is better name unless you know what the core is



DUP 0901409

120702

6-6-5-10
reduction

- needle job - needle the ends out before in cloth

breakdown dust - the chrysotile converted to ~~patent~~ ^{patent}
which still contains some chrysotile and is
capable of producing true asbestos bodies
The greatest amt. is patent

increase caused by advection

1. autonomic, fibrous - densely, epidermogenic and permanent
2. bronchiogenic c.s. - squamous; thin and abundant; 20-30%
3. mesothelioma - variable; not of bronchial and connective
tissue does not know

? of smoking being synergistic; $\frac{1}{2}$ in CS seen for smokers and non smokers

may get CA after about (few yrs.) exposure - m-i-o-o
you later

- chronic bronchitis + emphysema - ^{claims for compensation} generally not ~~awarded~~ awarded; more information needed

- calcified pleural plaques

-adventitious body - if fibrous lung should be able
find body however the body by itself does not
mean fibrosis

Can find fernaceous holes in nearly 100% of population - $\rightarrow$ Low Pyl. activity.

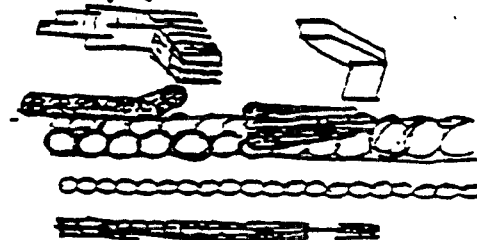
"Fibrous glue is free from pathogenicity"

DUP 0901410

120703

Pulmonary function equipment - CCR's file

- X-ray
- Pulmonary function
- Smoking 4 1/2



Lynch U.S.P.H.S.

- overall dust measurements used originally
analyzer equivalent

Impinger total count vs. membrane filter count
ratio is a very weak correlation.

	per million dust		
	Total Fibers	> 5 μ m fibers	> 10 μ m Fibers
Tablets	10.3	<u>5.9</u>	2.7

T6U 5 million dust or 2 fibers > 5 μ m

Use > 5 μ m because must be thought that only long
fibers cause difficulty and also mainly
the visibility is better and permits a better count

Light microscope compared to electron microscope
shows that we only measure 10% of the
total fibers even in oil immersion

Analysis for Hg. and converted to asbestos
by multiplying by 4.
Hence Tablets 2 mg/cm³ = T6U = 12 fibers/cm³

Quantities
 84% of all filters seen were repaired
 80% 75 in
 60% 70 10 in

W+
 Teptle 35% repaired
 Friction 36%
 Pipes 45%

Asbestos in Products Dust

Teptle	Asbestos	Products	Dust
75-85	72	90%	
Friction	30-60	22	23%
Pipes	10-30	10	11%
Simulation	5-15	5	3%

- Summary
- ① no practical absolute method
 - ② filters > 5 in @ 430K is choice
 - ③ Bulk samples & high volume sampler
- Sampling
- high vol sampler
 - size > 10 in
 - membrane filter

Atomic absorption for trace metals

Methylene membrane filter

DUP 0901412

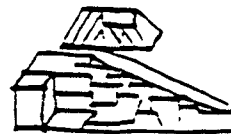
120705

Revised 10/1/68
+ revised 10/1/68



Personal air sampler 90 minutes, 24/min.
per 1 fiber per 1000 $\equiv$ 1 fiber per cc
1:1 dimethyl sulfoxide death/oxidation 1:1000 from
of the membrane

Sign up for reprint of method
Colson millipore filter

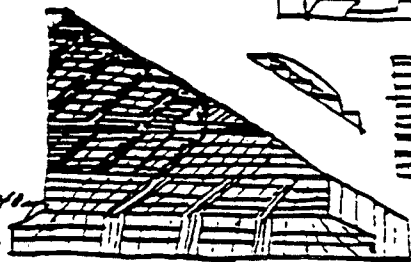


Howard Ayres London

Green

Sampled total dust
inhalation

- 94% x-ray changes
More x-ray in another



Dr. John Wells - Kenya

50-60 samples found asbestos, said that there is
no safe level

British Medical Occupational Society 1968

Used risk of $< 1/10$

3 fibers per cc 50 yrs
4 " " " 25 yrs



British study found asbestos levels reaching 1-2 mg
75 mg fibers on H.F.

ACGIH

- based to 2 million per cc on 12 fibers per cc 75 mg

USPHS

2070 had short report 5 to 10 fibers per cc
USPHS: 5 fibers per cc for industrial workers, no more
75 mg, with ceiling of 10 fibers per cc 15 mg per cc

DUP 0901413

120706

Asbestos workers have high risk of asbestosis
during mining. Difficult to monitor asbestos
workers

Air Pollution

30 fibers per cc found in NYC

Ferruginous bodies

9/10 had the ferruginous bodies

~~90% of the time that the true asbestos bodies is not known.~~



Clark Cooper examining asbestos

8:30 A.M. Tomorrow -

DUP 0901414

120707

Asbestos

Wright G.W. Asbestos & health in 1969
Am. Rev. Resp. Dis. 100 467-79, 469 (Suppl.)

DUP 0901415

120708

X

Report

Asbestos & Co. Conference

6 May 70

Widgwood Co. → Currier Room Lab
Widgwood Co. → Tanager

Types of Asbestos Minerals J. Morgan

- mineral asbestos

- extremely small diameter compared to other fibers

Different types differ by: 1. Chrysotile 2. Crocidolite 3. Amosite

A. origin

B. composition e.g. silicate

C. structure

D. properties 1, 2, 12-15%

Origin:

Types of rocks ^{chrysotile} serpentine amphibole → pressure, heat + H₂O →

crystals → fibers

serpentine → chrysotile

Amphibole → other two crocidolite, actinolite,
hornblende + amosite

Imports: 1968

Canada (Chrysotile) 690,000 short tons \$65 million

South Africa crocidolite + amosite \$6 million

Characteristics - resistant to acids, alkalis, heat, radiation

spinability

Chrysotile Properties

- yellow to greenish color → white fibers

- small fibers less than a inch to 2 inches

single hydrated magnesium silicate

190

DEFENDANT'S
EXHIBIT
131

120700

DUP 0901416

Teptale - Chapotele - 1257

Crocidolite

- $3H_2O \cdot 2Na_2O \cdot 6(FeMg)O \cdot 2Fe_2O_3 - 17\% Cu$
- $2-3\% H_2O$
- Africa
- Australia
- Color is blue :: known as Blue asbestos - due to the H₂O
- better resistance to acids, alkalis and sea water ::
- used more - ship building

Amosite

- used by D. import for heat insulation

Bob. de Treville History - Mineral Asbestos

- Paris N.Y. Acad of Sciences Ecology effects Feb 31, 1955

Inland Higgins Asbestos 1955

Fibrous Dust Publications of International

Hygiene Foundation

first lung cancer in asbestos reported in 1935, Lynch 1 of South Carolina

Asbestosis

1900's asbestos noted

fibrosis similar in some respects to silicosis - fibrosis differs in that silicosis has nodules - asbestosis is more diffuse - accompanied by emphysema :: more difficult to recognize;

- see right heart failure or cor pulmonale often found ..
- occurs with all types
- 10 to 20 years required

DUP 0901417

120701

Asbestos

May 70

- Knopf in England found excess of deaths (100) from lung cancer in textile workers.

- Dr. S. Zeman looked at Canada and did not find a clear cut differentiation

- Paul Kawan - H. B.

- can produce CA in rats & caused chrysotil for 16 months (1970).

- seems that the hammering of the chrysotil resulted in it picking up free minerals from the hammer and these may be producing the C.A.

- Knopf - cleaned up the slope - found that the excess lung C.A. no longer existed

Dr. Wagner

Mesothelioma - saw 7 around Cape Town in S. Africa

1/2 of exposure 40 yrs before; used as coal piles -

along the roads; non occupational exposure

Dr. ~~Thompson~~ Thompson in S. Africa

- asbestos bodies - dumbbell bodies - stain blue,

high ferritin

- 25% people in S. Africa - H. B. had these

asbestos bodies at post autopsy

- raised question of exposure from truck drivers

Dr. Brown:

most may { non transparent center - false or pseudo bodies.

Transparent " - true

Ferruginous body is better name unless you know what the core is



DUP 0901418

120702

6-642 Long
substantive

W - raised quilt - needle the ends out holes in cloth

breakdown dust - the chrysotile converted to ~~patent~~ ^{patent} which still contains some chrysotile and is capable of producing true asbestos bodies the greatest amt. is patent

Increase caused by solution

1. pulmonary fibrosis - unusually, epidemiologic and experimental
 2. bronchiogenic c.s. - epidemiologic, even dose dependent; 20-30 yr
 3. mesothelioma - virulent; rel. of chrysotil and amosite
unclear and does not know
- ? of smoking being synergistic; for c.s. seen for smokers
and non smokers

may get C.A. after about (few yrs.) exposure - usually 10 yrs later

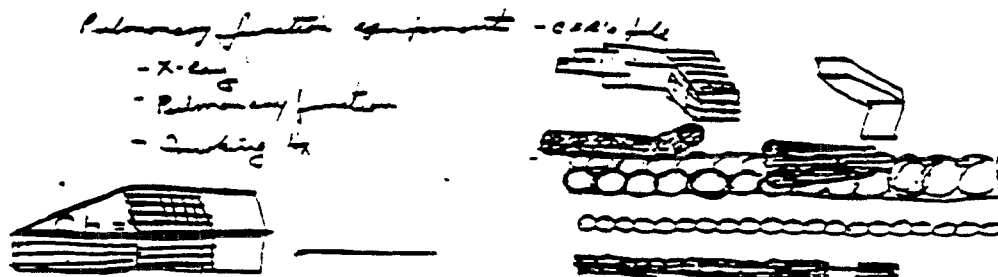
- chronic bronchitis + emphysema - ^{claims for compensation} generally not
~~awarded~~ awarded; more information needed

- catalyzed several reactions

-adventitious body - if fibrin being should be able
find body however the body by itself does not
mean fibrin

Can find ferruginous bodies in nearly 100% of population - 74 hrs. Pph. autophagy.

Fibrous glass is free from pathogenicity



Lynch USPHS.

- overall dust measurements used originally aerodynamic equivalent
 Improper total count vs. membrane filter count ratio is a very weak correlation.

per million dust

	Total Fibers > 5μ fibers	> 10μ Fibers
Textile	10.3	<u>3.9</u> 2.7

TLV 5 million dust or 2 fibers > 5μ

Use > 5μ because must be thought that only long fibers cause difficulty and also mainly the visibility is better and permit a better count

Light microscope compared to electron microscope show that we only measure 10% of the total fibers even in oil camera on

analyzed for 4g. and converted to asbestos by multiplying by 4.

Mass Textile 2 mg/cm³ = TLV = 12 fibers/cm³

DUP 0901420

120104

Quantities

84% of all fibers seen were respirable

80% > 5 μ m

60% > 10 μ m

Size

Teptel 35% respirable

Fraction 30%

Pope 45%

	<u>Asbestos in Product Dust</u>	
	<u>Teptel</u>	<u>Fraction</u>
Teptel	75-85 %	90 %
Fraction	30-60 %	23 %
Pope	10-30 %	11 %
Simulation	5-15 %	3 %

Summary

① no practical absolute method

② fibers > 5 μ m @ 430X is choice

③ Bulk samples $\pm$ high volume sampler

Sampling

- high vol sampler

- min > 10 μ m

- membrane filter

Atomic absorption for trace metals

Millipore membrane filter

DUP 0901421

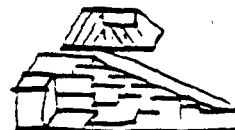
128705

Revised 10/1/68



Personal air sampler 80 minutes, 24/24, 24/24,
1 fiber per liter $\equiv$ 1 fiber per cc
1.1 diameter, thickness 0.001, 0.001, 0.001
of the membrane

Sign up for reprint of method
Colson millipore filter



Howard Chapin Tenderloin

Dream

Sampled total dust
inhalation

- 94% 2-day changeover

More 24 in. smoke

Dr. John Weller - Georgia

50-60 samples found asbestos, said that there is

no safe level

Control of Occupational Asbestos 1968

Used risk of $< 1\%$

2 fibers per cc 50 yrs

4 " " " 35 yrs

Control study found higher risk preceding 1-day
75 in. plate on HF.



ACGIH

- Allowed to 2 million per cc or 12 fibers per cc 7.5 in

USPHS

2070 had short & report 5 to 10 plates per cc

USPHS : 5 fibers per cc for industrial workers as max
: Fed. with ceiling of 10 fibers per cc 15 min. rule

DUP 0901422

120/00

Asbestosis workers have high level of exposure
during mixing. Difficult to monitor ventilation
under

Air Pollution

55 fibers per cc found in UK

Ferruginous bodies

57/100 had the ferruginous bodies
~~90% of these that are true asbestos bodies is not known.~~



Clark Cooper examining asbestos

P. 304. 17. Tomorrow -

DUP 0901423

120707

Asbestos

Wright G.W. Asbestos: a health risk in 1969
Am. Rev. Resp. Dis. 100 457-79 Oct 59 (Suppl)

DUP 0901424

120708

21

Possible to work 2 yrs at low C values, may develop long term

Very truly

4290. Albizia / USA

Adelste Guro mit eigenem Bild in T.V. belächeln. Sie hat

— 12 —

上座

60% above 10 in parcel electricity

30-11-2018

... ..

casted sheets without any additions

Box 2nd mounting 2 phase center

1944-1945

and a_1 — — — — —

Trans. Falls at 430x for Ind. vegetation

1. Essential maintenance - required
 2. General maintenance - optional

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

Yellowish - very green during with ~~low~~ in ~~green~~ - ~~white~~
one ~~town~~ + ~~green~~ - ~~Polish~~ ~~entire~~ - ~~green~~ ~~partially~~ ~~red~~ ~~green~~
88 ~~no~~ ~~yellow~~ - ~~1901~~ ~~no~~ ~~low~~ ~~religion~~ ~~limited~~ (= 829?)
Greenish ~~not~~ ~~closed~~ ~~by~~ ~~slight~~ ~~myths~~ 1109% ~~cellular~~ ~~unit~~
In ~~light~~ ~~of~~ ~~light~~ ~~+~~ ~~light~~

Harvard ~~Green~~ - ~~Stands~~ ~~as~~ ~~a~~ ~~acceptable~~ ~~one~~, ~~in~~ ~~work~~ ~~place~~
Harvard ~~of~~ ~~California~~ ~~state~~ 1907.
no ~~green~~ ~~until~~ ~~early~~ 1930 ~~a~~ - ~~G~~ ~~B~~, In ~~let~~ ~~S~~ 1939/N.C

Relax ~~of~~ ~~fun~~ ~~to~~ - ~~Reaction~~ ~~of~~ ~~C~~ - ~~1~~ ~~total~~ ~~area~~ ~~of~~ ~~canon~~ ~~figure~~

Printed ~~at~~ 1900 ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ 2x50 ~~in~~ ~~limited~~
by ~~new~~ ~~reconstruction~~ ~~method~~ 4x25 ~~in~~ ~~limited~~
in 1968 10x10 ~~in~~ ~~limited~~

Am ~~study~~ 1964, ~~material~~ 1968 by USFMS

5 ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~
4-6 ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~

Temporary ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~
Criteria ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~

Collector ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~

Chaply ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~ ~~figure~~ ~~in~~ ~~green~~ ~~light~~ ~~green~~ ~~limited~~