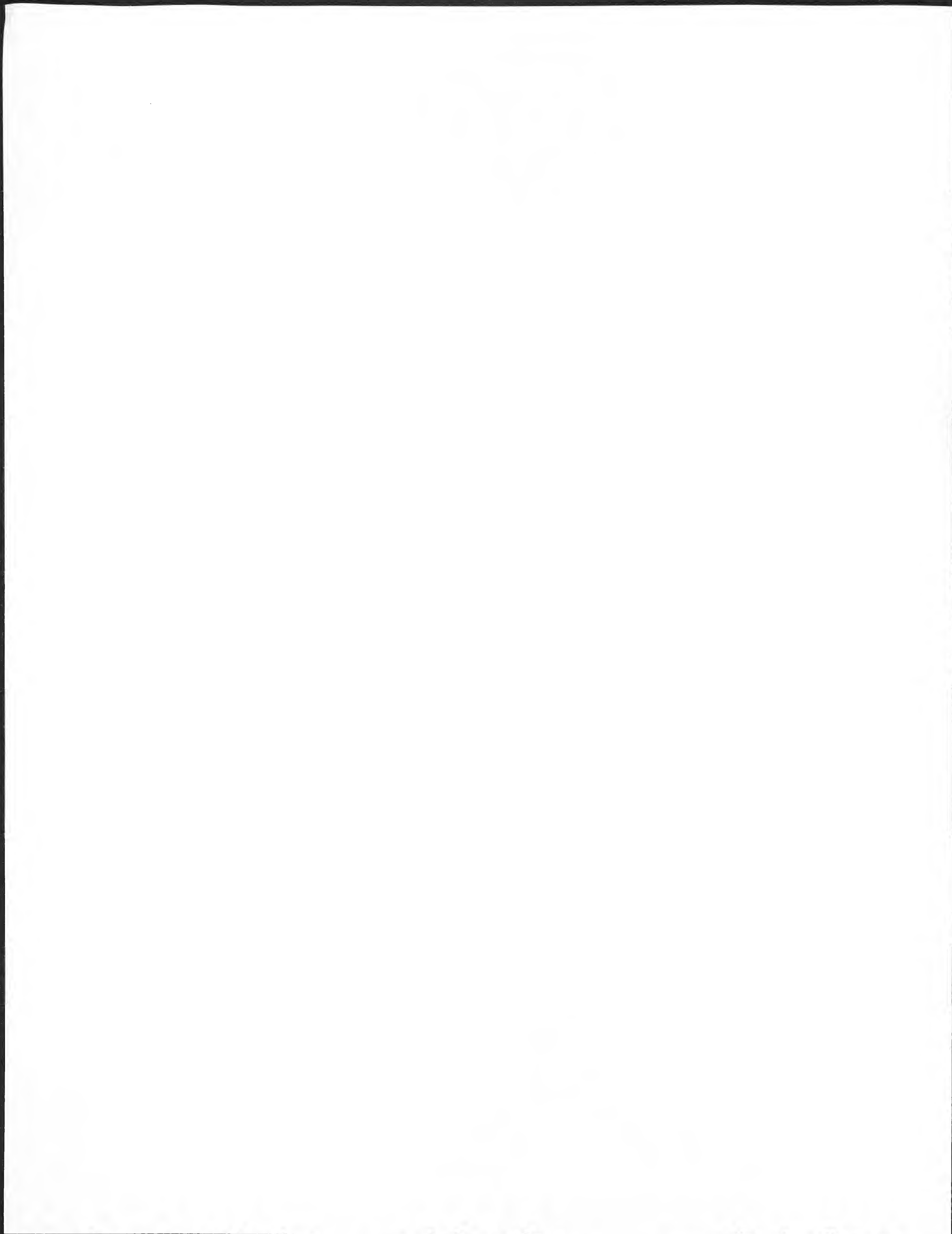


C. S. H. - Nat. Herb.

A. S. Hitchcock
British Guiana
1919-1920

Collections other than grasses



A. S. Hitchcock, British Guiana

Wild land in Botanic Garden, Georgetown, Oct. 25, 1919.

- 16529. Stem upright, 8-10 ft. Fruit oblong, green, $4 \times 2\frac{1}{2}$ inches.
Swamp. Mucka-mucka.
- 16530. Shrub, up to 15 ft., stems slender; flowers yellow; specimens show flowers and young leaves and fruit and old leaves.
Low ground in jungle, near water.
- 16531. Woody vine, fruit black. Swampy jungle.
- 16532. In water of canal. In mosses, submerged, the pale lilac or nearly white flowers emersed.
- 16533. Floating, free, in water of canal
- 16534. Shrub up to 6 ft. tall; fruit yellow, pulp black, sweetish.
Jungle, near water.
- 16535. Shrub up to 8 ft. Flowers white in spike-like racemes.
Jungle, near water.
- 16536. Shrub, more or less climbing or trailing; flowers white or pale yellow, the tube yellowish green or purplish, (flowers drying yellow). Low ground.
16537. In water of canal, *algae*.
- 16538. Vegetative part floating in water of canal or imbedded in mud near water; flowers yellow.
- 16539. Shoots branched, ^{fl}ating, submerged, in water of canal; flowers yellow.
- 16540. Floating on surface of water of canal.
- 16541. Shrubby, up to 8 ft. tall; flowers lilac. Low ground in jungle.

- ~16542. Shrub or small tree, 4-25 ft; fruit black. Low ground in jungle.
- ~16543. Grassy places along canal. White in flower, turning light brown in fruit.
- ~16544. Dissected leaves floating submerged, a few oval entire leaves at end of shoot, floating on surface; flowers yellow. In water of canal.
- ~16545. Small tree, up to 25 ft; flowers creamy white. Low ground of jungle.
- ~16546 Shrub, stem white, slender, 10-15 ft. tall; flowers yellow, odorless. Low gr. of jungle.
-

Wild ground in Botanic Garden, Georgetown. Oct. 26, 1919.

- ~16553. Fls. yellow. Along canal.
- ~16555. Fls. blue. In water of canal.
- ~16556. Floating on surface of water of canal.
-

Georgetown- Sea beach and vicinity, east of Sea Wall. Oct. 29, 1919.

- ~16557. Shrub, 8 ft; fls. yellow. Waste land back of beach.
- ~16558. In water of canal.
- ~16559. Muddy bank of canal.
- ~16560. Corolla red, anthers, etc. yellow. Grassy ground in young coconut plantation.
- ~16561. Muddy bank of canal.
- ~16562. Tree, 30 ft. Back of beach.

- 16564. On Sesuvium. Flowers white. Sea beach back of Ipomea pes caprae.
 - 16565. An isolated bush, 10 ft. high; often forming masses (a mangrove), producing large numbers of erect air roots from the ground. Muddy ground back of beach.
 - 16566. Straggling shrub as much as 2 ft. high. Muddy ground back of beach.
 - 16567. Prostrate fleshy herb; fls. pink. Muddy soil back of beach.
 - 16568. Suffrutescent, up to 5 ft. apparently annual; fls. yellow. Waste land back of beach.
 - 16569. Large bunches, stems erect. Seabeach.
 - 16570. Along sea wall, among the stones.
 - 16571. Trailing for long distances; some stems upright as much as 2 ft.; fls. pink. Sandy seabeach.
 - 16572. Prostrate bunches; fls. white. Seabeach.
 - 16573. Vine on trees back of beach; fls. white.
-

Georgetown, Promenade Gardens, Oct. 30, 1919.

- 16575. Weed in flower beds.
 - 16578. " " " "
- Oct. 31, 1919.
- 16582. Perennial; flowers light blue, open in morning. Weed in flower beds.
 - 16583. Weed in flower beds.
 - 16584. Annual, fl. light blue. Weed in flower beds.

- 16585. Annual, weed in flower beds.
-16586. " with stinging hairs weed in flower beds.
-16587. " ; fls. very pale pink; fruit scarlet. Weed in fl. beds.
-16588. " ; erect, summit nodding; " " " "
-16589. " ; fls. white, eye yellowish striped. " " " "
-16590. " ; yellow; prostrate. " " " "
-16591. " ; blades more or less marked with purple " " " "
-16592. " ; erect " " " "
-16593. " ; flowers pale pink. " " " "
-16594. " " " " "
-16595. " ; flowers lavender. " " " "
-16596. Perennial herbaceous vine; fls. white tinged with lavender
on wings. Weed in fl. bed.

Weeds in Promenade Gardens, Nov. 1, 1919.

- 16600. Annual
-16601. "
-16602. " fls. pink.
-16606. " " yellow; forming prostrate rooting mats.
-16607. " limb of fls. lavender, tube white.
-16608. Fls. pale pink.
-16609. Annual.
-16610. "
-16611. Prostrate
-

Georgetown, Botanic Garden. Nov. 3, 1919.

- 16616. Annual weed in beds.
- 16617. Fls. yellow. Along ditches.
- 16618. " blue. In water of ditches.
- 16619. " yellow. " " "

Nov. 4, 1919

- 16621. Along ditch. Called ant-bush.
- 16622. Lemna. Floating on water of ditch

Nov. 5, 1919.

- 16623. Annual, fls. yellow. Bank of ditch.
- 16624. 4 ft. tall, fls. white. Weed around dump heap.
- 16625. 2 ft. tall, weed around dump heap.
- 16626. 3 " " , fls. yellow, weed around dump heap.
- 16627. 3 " " " white or very pale yellow. weed around dump heap.
- 16628. 3-4 ft. tall, gregarious; fls. white. Wet place.
- 16629. 5 ft. " , fls. yellow. " "
- 16630. 2 ft. " , Weed along ditch.
- /16631. Annual, fls. blue. Weed along ditch.
- 16632. Damp ground in propagating sheds.
- 16633. fls. white ground in propagating sheds.
- 2-X16634. " blue, weed " " "
- 2-X16635. " " " " "
- 2-X16636. foliage red brown, weed in propagating sheds.
- /16637. looks different from common species or Pilea. Weed in propagating sheds.
- 16638. 2 ft. tall. Along ditch.

- 16639. shrub 6 ft.
- 16640. Suffrutescent, 4 ft., leaves sensitive. Along ditch.
- 16641. Along canal.

Georgetown, Vicinity of Peters Hall. Nov. 6, 1919.

- 16642. Weed along tram.
- 16643. 3 ft. tall, fls. yellow. Along canal.
- 16644. Suffrutescent, 3 ft. Along canal.
- 16645. " " " fls. white. Along canal.
- 16646. 3-4 ft. fls. light yellow. " "
- 16647. Herbaceous vine; fls. yellow; fruit light orange, bursting irregularly; seeds scarlet, mucilaginous. Along canal.
- 16648. Woody vine. Along canal.
- 16649. Suffrutescent herb, fls. white. " "
- 16650. Along canal.
- 16651. " "
- 16652. In water of canal.
- 16653. Herbaceous vine; fls. orange yellow with purple eye. Along canal.
- 16654. Weed along canal.
- 16655. fls. white. along canal.
- 16656. Shrub, more or less twining at ends of branches; fls. yellow. Along canal.
- 16657. Weed along canal.
- 16658. " " "
- 16659. Shrubby vine; fls. white. Along canal.

- 16660. Suffrutescent, creeping on the ground in open places;
fls. yellow.
- /16661. Vine, on shrubs; fls. blue-pink. Low ground.
- 16662. Shrub 5-8 ft; fls. red.
- /16663. Vine on shrubs in low ground near sea; fls. yellow.
- 16664. Vine on shrubs in low ground near sea; fls. pink.
- 16664a. " " " " "
- 16665. " " " " "
- 16666. " " " " "

Nov. 8, 1919.

- 16672. 2 ft. tall; umbel large, many-rayed, only a few rays included
in each sheet. Along canal.
- 16673. 4 ft. tall; fls. white. Weed in low ground.
- 16674. Low ground.
- 16677. Along canal near sea.
- 2-x 16678. Small tree or large shrub, 12 ft., fls. bluish. Mud flats
along sea. = 16684
- 16679. Tree 10-20 ft, ^aforming mangroves; mud flats along sea.
- 16680. Annual, 2 ft., fls. white. Weed along canal.
- 16681. Fls. lavender. Weed in field.
- 16682. Prostrate. " " yard.
- 16683. Tree, 10 ft. Low ground near sea.
- 16684. 2 ft. fl. white. Weed along canal.
- 16685. " " "

Georgetown

Nov. 9, 1919.

-16687. Prostrate. Along street.

2-X-16688. " " "

Georgetown, along tram toward Peter's Hall. Nov. 10, 1919.

-16689. Shrub, 3. ft. Low ground.

-16690. Stems rooting, floating in water, leaves and flowers emersed.
In water of canal.

16691. Fungus on sterile grass. Low ground along ditch, with
Panicum pilosum and *P. laxum*.

Vreed-en-Hoop, across the Demerara River from Georgetown,
Nov. 10, 1919.

/ 16692. High climbing herbaceous vine; fls. white. Planted and
escaped. Called Bonny-vis.

-16693. 4-6 ft., leafless below; umbels often only bracts. Along
water ditch.

-16694. Very prickly small tree; fls. bluish. Along brackish inlet.

-16696. Typha. Fertile shoot 5-6 ft. Water of pond. = 16678

-16697. Annual, 3 ft. Weed along Ry. track.

-16698. Herbaceous high-climbing vine; fls. pinkish lavender. Near
pond.

-16699. Weed along Ry. track.

-16700. " " " "

/ 16701. Has stinging hairs. Weed along Ry. track.

- 16702. Low grassy ground.
- 16703. Gravelly soil along Ry. track.
- 16704. Prostrate; fls. blue-indigo.
- 16705. 4 ft.; fls. yellow, Open waste land.
- 16706. Shrub 3-6 ft.; ends of branches more or less twining; tube of corolla white, the limb pink within; upper leaves (next inflorescence) with tendrils. Tidal flats among mangroves etc.
- 16707. Shrub 6 ft.; fls. pale yellow. Tidal flat among mangroves.
- 16708. Shrub 3-6 ft, scrambling; fls. green. Tidal flats.
- 16709. Climbing over shrubs; fls. white. " "
- 16710. 8 ft. Escaped from cult. in waste land.
- 16711. 4 ft. Waste land along Ry.
- 16712. Waste land along Ry.
- 16713. Shrub 2-5 ft., the branches somewhat twining, fls. white. Tidal flats.
- 16714. Fls. red. Weed along Ry. track.
- 16715. Shrub 3-5 ft., fls. yellow. Tidal flats.
- 16716. Fls. yellow. Low ground near sea.
- 16717. 2 ft., fls. yellow. Weed in waste land along Ry.
- 16718. Herbaceous vine, twining on herbs and prostrate, trailing; fls. yellow.
- 16719. Waste ground along Ry. track.
- 16720. Weed " " "

George town

Nov. 11, 1919.

- 16723. Grassland at Government Laboratory.
-

Nov. 12, 1919.

Along Ry, 3-4 $\frac{1}{2}$ miles west of Vreed-en-Hoop, across the Demerara River from Georgetown. All in low ground, a ditch with water on ^{sach} ~~both~~ sides of track.

- 16725. Shrub up to 20 ft; partial petioles tend to coil for twining; panicle usually horizontal, the racemes turning upward; fls. white. See 16803 in pods.
- 16726. Climbing over bushes, fls. white.
- 16727. " " " " "
- 16728. Shrub 2-5 ft; fls. yellow; pod transversely jointed.
- 16729. " 2-4 ft; fls. yellow, in heads.
- 16730. Climbing over bushes; fls. white and yellow.
- 16731. Fls. pale blue (This goes with a previous no. in fruit).
- 16732. Seems to be annual, 4 ft.; lower part of stem spongy; hairs not stinging (apparently). Growing in water of ditch.
- ~~2-X~~ 16733. Among tall vegetation close to water of ditch.
- 16734. Erect-suffrutescent, 3 ft. Open ground.
- / 16735. Cyperus. " "
- ~~2-X~~ 16736. Climbing over shrubs; fls. pink-purple.
- 16737. " " bushes; fls. yellow.
- 16738. " on tree (Erythrina) in fruit only.
- 16739. Tree 30 ft; bark whitish, twigs brittle; flowers salmon-red, on special branches in the top of the tree, a branch bearing usually several of the clusters shown in specimen.
-

Parika on the Essequibo River, about 18 miles west of Georgetown;

low ground along Ry. track Nov. 14, 1919.

- 16742. Annual, 2 ft. Open ground.
- 16743. 2-3 ft. " "
- 16744. Moist meadow.
- 16745. Annual, weed along track.
- 16746. Herbaceous vine climbing on *Andropogon bicornis*; fls. blue.
Moist meadow.
- /16747. 3 ft. Along track.
- 16748. Moist meadow.
- 16749. Annual, 1-2 ft. Weed along track.
- 16750. 2-3 ft. " " "
- 16751. Moist meadow.
- 16752. Annual 1-2 ft. Weed along track.
- 16753. " " "
- 2-~~1~~16754. In open bog.
- 16755. Along " "
- 16756. " " "

Mahaica, coast about 20 miles east of Georgetown. Nov. 15, 1919.

- 16761. Tree, 40 ft.; fr. oval black. Low ground.
- 16762. Shrub, 6 ft.; fls. red. " "
- 16763. Suffrutescent, 4 ft.; fls. red. " " near sea.
- 16764. Weed in sandy field.
- 16765. Along canal.
- 316766. In water of canal. Common in canals and ditches everywhere.

fls
only

- 2-X 16767. Climbing on shrubs near canal.
2-X 16769. " " " " "
2-X 16770. " " " " " fruit only.
-16771. 6 ft.; weed in field.
-16772. Somewhat woody vine; near canal.
-16773. 2 ft.; weed in field.
-16774. " " banana field.
-16775. Somewhat shrubby, 2-4 ft.; fls. pink. Along canal.
-16776. Shrub, 6 ft.; fls. red. " "
-16777. " 3-5 ft.; fls. yellow. Low ground along canal.
-16778. 2 ft.; fls. white. Along canal.
-16779. Climbing; fls. yellow. " " (Frequent, usually in
vicinity of houses.
-16780. Weed along canal.
-16782. Root spongy; fls. yellow; floating in water of canal.
-16783. 4-5 ft; flowers pink, throat white with pink specks. Along
canal.
-16784. Tree, 30 ft. fruit only. Along canal.
-16785. Shrub, 15 ft; trunk 4 in. diam.; fls. bluish or pale
purple. Along canal.
-16786. Fls. white; fr. orange. Weed along road.
-16787. " " "
-16788. Fr. dark red. " " "
-16789. Climbing on weeds; fls. yellow. Weed along road.
-

Georgetown

Nov. 17, 1919.

/ 16790. Along street.

Parika, 18 miles west of Georgetown. Nov. 19, 1919.

- 16793. Shrub, somewhat viney, 6 ft.; fls. yellow. Low ground.
 - 16794. fls. pink; savanna.
 - 16796. Shrub, 4 ft.; fls. pink. Low ground.
 - 16797. Woody vine; fls. pink and white. Low ground. = 16805
 - 16798. Annual; fls. yellow. Savanna.
 - 16799. Straggling in grass. "
 - 16802. Shrub 10-15 ft.; fls. pinkish. Low ground.
 - 16803. Pods of 16725. " "
 - 16804. On trunk and large limbs of tree near sea.
 - 16805. Woody vine. Near sea. = 16797
 - 16806. Thick bulbous base with rhizomes; fls. white. Growing in colonies, muddy slope near sea.
 - 16807. Annual, fls. yellow. Weed along road.
 - 16808. Shrubby up to 12 inches; fls. white. Muddy tidal flat.
 - 316811. Along ditch in savanna.
-

New Amsterdam, road south of town. Nov. 21, 1919.

- 16822. Tree, 30 ft.; fls. yellow, fading reddish. Among mangroves.
- 16823. Tree, 30 ft; fr. pink with red specks. Near mangroves by sea.
- / 16824. Vine on mangroves, etc; fls. yellow.
- 16825. Vine; fls. white with nearly black eye. Among grasses etc.

- 16828. Weed in waste place.
-16829. Much branched and tangled. Waste place.
-16830. Bush 2-6 ft. (often larger than this); fls. white. Along
ditch. *see 16830 and seq. for Nov. 25. Dec. 25.*
-

Georgetown, along Sea Wall. Dec. 26, 1919.

- 16837. Creeping in grass near seawall.
-16838. Small tree along ditch. Common in open ground back of
sea wall.
-16840. Small tree 15 ft. This mangrove is not common here (beach
at end of sea wall, Kitty village). Mixed with Avicennia,
and Laguncularia.
-

Lamaha Stop-off, East Coast water Conservancy. S.E. of

Georgetown. Nov. 25, 1919.

- 2- X16860. Fls. blue. Bank of canal.
-16861. " " "
-16862. Shrub, 4-8 ft. On dike among shrubs.
-16863. " 4-12 ft. Along dike.
-16864. " fls. yellow " "
-16865. Acaulescent. Along bank of canal.
-16866. Along dike.
-16867. Leaves floating; fls. white. In canal.
-16868. " " " " " "
-16869. Floating submerged; fls. yellow. In canal.
-16870. On trunk of tree.

- /16871. Fls. white. On trunk of tree.
- 2- X 16872. Fls. yellow. In marsh [This goes with preceding specimens
from Parika cf. 16798.
- 16873. Shrubby, as much as 12 ft., with long virgate wide-
spreading branches; fls. yellow. Marsh.
- 2 16874. 6 ft. tall, leafless below; fls. white. Marsh.
- 16875. Shrubby, 6-8 ft. "
- 16876. Fertile pinnae above. Climbing on trees. On dike,
- 16877. Leaves retrorsely scabrous and very cutting. Along edge
of canal in woods.
- 16878. Panicle branches & pedicels red. Climbing ^pin shrubs along
dike.
- 2 - X 16879. Woody vine along dike.
- 16880. Climbing on dike.
- 16881. In water of ditch. Stem decumbent, long-rooting, fls.
white.
- 16882. Creeping and ascending among grasses near ditch.
- 16883. Tree, 20 ft. On dike.
- 16884. Erect, fls. greenish white. Marsh along canal.
- 16885. Climbing on mucka-mucka. Marsh.
- 16886. Among mucka-mucka. Marsh.
- 16887. In water in marsh.
- 16888. Fls. whitish. "
- 16889. In water in marsh.
- 16890. Marsh
- 16891. Marsh.
- 16892. "

- 16893. Bracts red. On tree on dike.
- 16894. Floating in water of marsh.
- 16895. Leaves floating submerged; fls. pink or purple. In water of marsh and canal.
- 16896. Shrub 10-15 ft.; fls. white, falling in afternoon. Marsh.

Hoorubia Creek, East Coast water Conservancy, S.E. of Georgetown.

Nov. 26, 1919.

- 16901. 2-4 ft.; fls. white. Marsh.
- 16902. Shrub 10 ft., fls. white. Marsh.
- 16903. Fls. white; leaves floating, entire. In water of Laluni Creek.
- 16904. In marsh, grassy edge of mucka-mucka.
- 16905. Vine, climbing on mucka-mucka. In marsh.
- 16906. Marsh.
- 16907. In large clumps. Marsh.
- 16909. Fls. pink. Grassy edge of creek by mucka-mucka, Marsh.
- 2 - X 16910. Fls. blue-pink. Grassy edge of creek, marsh.
- 16911. Fruit dark blue.
- 1 16912. Common name is "mucka-mucka". (Flowers for specimen in fruit from Bot. Gard.)

"Sandhills," head of Hoorubia Creek, S.E. of Georgetown.

East coast water conservancy, Nov. 26, 1919.

- 1 16913. Shrub. Sandy scrub.
- 16914. Vine, " "

- 16915. Straggling herb, 2-3 ft.
- 3 16916. Shrub 6 ft. (fruit) Sandy forest.
- 16917. Woody vine in forest.
- 2 16918. At foot of tree, "
on
- 16919. Parasitic shrub. Sandy scrub.
- 16920. " " " . Inflorescence reddish. Sandy scrub.
- 16921. 2-3 ft. Sandy scrub.
- 16922. Shrub 2-4 ft. fls. yellow. Sandy scrub.
- 16923. Shrub, 4-8 ft; fls. white with pink center. Sandy scrub.
- 16924. " , 8 ft. " "
- 16925. " 4-10 ft; fls. white. " "
- 16926. Climbing on small tree, wet forest.
- 16927. Sandy savanna.
- 16928. Suffrutescent, fls. pink. Sandy savanna.
- 2 - X 16929. " "
- 16930. " "
- 16931. Shrub 4-10 ft. " scrub.
- / 16932. Wet forest
- 16935. Climbing; fr. orange. Sandy scrub.
- / 16936. Wet forest.
- 16937. " "
- 16938 . Shrub, 8 ft. Sandy scrub.
- 16939. Wet forest.
- 16941. Erect on damp sand. fls. yellow, Sandy savanna.
- 16942. " "
- 2 - X 16943. " "

- 2 - X 16944. Sandy savanna.
/ 16945. " "
- 16946. " "
- 16947. " "
3 16948. Epiphytic on tree; fls. white. Wet forest.
- 16949. Sandy savanna.
- 16950. Small tree, 20 ft. Sandy scrub.
- 16951. Wet forest.
- 16954. Sandy savanna.
- 16955. fls. blue. Sandy savanna.
- 16956. fls. pale yellow, bracts scarlet. Sandy savanna.
/ 16958. Sandy savanna.
/ 16959. Wet forest.
2 - X 16960. Sandy savanna.
2 - X 16961. " "
- 16962. fls. white. Sandy savanna.

Canal to east and south of Lamaha. Stop-off East coast water conservancy as far as high land, S.E. of Georgetown. Nov. 27, 1919.

- 16967. Acaulescent, Open ground on dike, near water of canal.
2 - X 16968. Shrub, 5 ft; fls. pink-purple. Along dike.
- 16969. " 6 ft. along dike.
/ 16970. fls. white. Marsh.
- 16971. Sandy soil, open ground on dike.

- 3 16972. Vine climbing on shrubs; fls. yellow with orange eye.
Along dike at edge of marsh.
- 16975. bracts red. Along dike by wet forest.
- 16976. Shrub 4-8 ft.; fls. white. Marsh.
- 16977. Annual, fls. pinkish. Along dike near water in sandy soil.
- 16978. Vine on shrubs. Along dike.
- 16980. Along sandy dike. (also in marsh)
- 16981. Fls. white with pinkish tinge. Sandy dike.
- 16982. Shrub 3-6 ft; fls. magenta. Marsh.
- 16983. Vine on shrubs, fls. yellow. Marsh.
- 16984. " " " " white. "
- 16985. Shrub 2-3 ft. " magenta. Along dike.
- 16986. 5 ft. Marsh.
- 16987. Climbing on trees in wet forest.
- 16988. " " " " " "
- 16989. fls. yellow. Floor of deep wet forest.
- 16990. Marsh.
- 16991. Shrub, 8 ft. Wet forest.
- 16992. On trees in wet forest.
- 16993. Shrub, 4-8 ft, fls. white. Wet forest.
- 16994. " 5 ft. Wet forest.
- 16995. Marsh.
- 16996. "
- 16997. leaf-blades emersed; flower clusters floating on surface at
a distance; fls. white. Canal.

-16998. Fls. green in bud, white when fully open. Dike near marsh.

-16999. Vine, fls. white. On dike near forest.

-17000. Shrub, 4 ft. fls. white. Marsh.

-17001. Marsh

2 - X17002. Open ground, along dike near water.

-17003. Marsh.

-17004. Raised on short stem above the mud; fls. white. Bare wet ground between clumps of sedges in marsh.

-17005. On bare wet soil, marsh. (goes with 16941).

/17006. Fls. purple. On wet mud and in shallow water.

17007. Fls. yellow. On wet open soil in marsh.

17008. " "

17009. " "

-17010. " "

Near Lamaha Stop-off, East Coast Water Conservancy, S. E. of

Georgetown. Nov. 28, 1919.

-17013. Open ground, near dwelling.

-17014. 3-5 ft.; fls. red-pink. Along dike near marsh.

-17015. Open ground on dike,

-17016. Climbing on shrubs; fls. white. Near marsh.

2 - X17017. " " " Dike " "

-17018. ~~fr. nearly black~~; fr. nearly black. Dike near marsh.

-17019. Open ground near dwelling.

? *epic.* 317020. Climbing and trailing, along dike.

-17021. Fls. white " "

-17022. Along dike near water.

"Breakfast Benab", East coast water conservancy, Nov. 29, 1919.

- 17023. Succulent, branched, straggling 4-8 ft. Wet copse.
 - 17025. 4 ft. " "
 - 17026. Along ditch, edge of water.
 - 17027. 6 ft, " "
-

Penal Settlement, on west side of Essequibo River. Dec. 3, 1919.

- 17029. Marshy open ground.
- 17030. Acaulescent; blades erect, spathes recurved, S-shaped; odor of skunk when fresh. Raphides produced irritation of the hands in handling split portions. Swamp, in or near the water.
- 17031. Large pinnae opposite. Climbing in wet forest.
- 17032. Marshy place in open ground.
- 17033. Bract white; trailing or decumbent-spreading. Floor of sandy damp forest.
- 17035. Open moist sand along road through forest.
- 17036. Fls. yellow. Marsh.
- 17037. Shallow water of marsh.
- 17038. Fls. lilac-white. Shallow water of marsh.
- 17039. Fls. blue. " " " "
- 17040. Fls. pale blue or white with blue streaks. Shallow water or mud of marsh.
- 17041. Fls. white. Marsh.
- 17042. Marsh, shallow water.
- 17043. " " "
- 17044. Blades floating; a single flower at surface of water

- the rest of the inflorescence submerged; fls. white. In water.
- 17045. Fls. yellow. Marsh.
 - 17046. Wet soil, "
 - 17047. Foliage sensitive; fls. white. Marshy field.
 - 17048. Fls. yellow. Shallow water of ditch.
 - 17049. " pink. Marshy field.
 - 17050. " "
 - 17051. Suffrutescent, 3-5 ft, looks like an annual; fls. magenta.
Marshy old field.
 - /17052. " " "
 - 17053. fls. white. Marshy old field.
 - 17054. " " with pink center & tinges on petals. Marshy old
field.
 - 17055. fls. white, pink tinged. Marshy old field.
 - 17056. " " " " "
 - /17057. Sterile. Along ditch.
 - 17058. Vine; fls. blue. Marshy old field.
 - 17059. weed in flower bed.
 - 17060. Tree, 30 ft. Wet sandy forest.
 - 17061. " " " ; fls. pale blue or lilac. Wet sandy forest.
 - 17062. Small tree, 10 ft. " " "
 - 17063. Tree, 40 ft.; petals white " " "
 - 17067. Prostrate. Hard open ground around Colony House.

Dec. 4, 1919.

- 17069. Acaulescent, petiole and peduncle mottled, 5 ft. long, erect.
Wet place in forest.

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of . 37

- 17070. Wet sandy soil.
- 17071. Suffrutescent, 1-2 ft; fls. pink. Sandy open ground in forest.
- 17072. Woody vine, climbing high over trees; fls. red. Wet forest.
- 17073. Shrub, 5 ft.; fls. white. Wet sandy forest.
- 17074. Woody vine, high climbing on trees; fls. red. Wet forest.
- 17075. Open wet sand by road through forest.
- 17076. Sterile shoots, 7 ft.; fertile from ground at base, axis etc. and fls. red, the thin petal creamy; fruit ovoid, purple, nearly black. Wet forest.
- 17077. Basal blades flat, about 6 ft. long, 2 inches wide; fertile culm 5-6 feet, with several blades, the lowermost about as long as the basal. Umbel large, the single one furnishing all the flowering specimens, an additional fruiting umbel divided and added. Wet forest.
- 17078. Climbing on woody vine on wet forest.
- 17079. Woody vine climbing high over trees; fls. yellow. Wet forest.
- 17080. Marshy place.

Along Essequibo River, Penal Settlement below.) Dec. 5, 1919.

- 17084. Shrub, 8 ft. Jungle.
- 17085. Open sandy ground.
- 17086. Shrub, 1 ft. erect; specimen cut at surface of ground. Edge of jungle.
- 17088. 3 ft. Open ground in pasture.
- 17089. Tree, 50 ft.; ripe pods taken from ground beneath tree.
Bank of river.

- 17090. Shrub, 4 ft: fls. white. Open ground, bank of river.
- 17091. " or small tree, 15 ft.; fruit nearly black, globose, pulp sweet. Along river bank.
- 17092. Perennial, 2-3 ft. Sandy marsh along river.
- 17093. Straggling shrub 3-4 ft. Only 1 flower, following day got a second flower from same shrub and 2 from another. Fls. wilt in afternoon. Ants busy on them. Sandy soil along river, near water.
- 17094. Open sandy pasture near river.
- 17095. Widely spreading or decumbent; fls. yellow with dark red center. Open sandy pasture near river.
- 17096. Mats; fls. pale blue. Open sandy pasture near river.
- 17097. Prostrate, fls. pink. " " " " "
- 17098. Trailing, with erect branches; fls. white. Sandy beach along river.
- 17099. Wet sand along river bank.
- 17100 Fls. pink. Open hard ground along road by river.
- 17103. Open sandy ground " " " "
- 17106. Wet sandy soil. " " " "
- 17107. Gregarious; in all specimens seen leaves are bladeless. Wet sandy soil by river, in water at high tide.
- 17108. Woody vine, climbing on trees by river.
- 17109. Tree, 20 ft. Jungle near river.
- 17110. " " " "
- 17111. Parasitic on tree by river side. Specimen of host included.

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Along road north of Penal Settlement on Essequibo River. Dec. 6, 1919.

-17115. Annual, decumbent-spreading; fls. white. Along ditch near dwelling.

-17116. Shrub; fls. lavender. Jungle.

2 - X-17117. Tree or vine unknown; fls. gathered from ground. Jungle.

-17118. Acaulescent, about 2 ft.; clusters of a dozen leaves; fls. white, tinged with lavender. Swampy ground in forest.

2 - X-17119. Shrub in jungle.

-17120. " 6 ft. in jungle.

-17122. Floor of forest.

-17123. Small tree, 12 ft., fls. salmon-yellow, borne on naked branches below the leaves. Wet forest.

-17124. In second-growth jungle.

-17125. Straggling shrub, 1-2 ft. Jungle.

-17126. Strong canes, 3-4 ft., with large clusters of leaves and an inflorescence at summit; fls. dull red with yellow center. Swamp in forest.

-17127. Fls. white, woody vine. Jungle.

-17128. Woody vine, climbing high; fls. lavender. Jungle.

-17129. Small tree, 30 ft. "

-17130. Aspect of pineapple; inflorescence about 6 in. long. bracts red. Jungle.

-17131. As much as 10 ft. tall; fls. light purple. Small clearing in forest.

2 17132. Giant sedge fruit to go with 17077. in forest. " "

- 17133. On trunk of tree.
- /17134. Woody vine; fls. white. Cut-over jungle.
- 17135. Small tree, 25 ft., fr. globose, $1\frac{1}{2}$ in. diam. Jungle.
- 17136. Shrub, 8 ft. " "
- 17138. " 2 ft. fls. white. Sandy pasture.
- 17139. Small tree, 20 ft, near river (cf. 17109).

Road along Essequibo river, north of Penal Settlement. Dec. 7, 1919.

- 17140. Copse by river.
- 17141. Climbing on shrubs near river.
- 17142. Woody vine, climbing on shrubs near river.
- 17143. Shrub, 15 ft. woods, " "
- / 17145. " 5 ft. Sandy shore of river.
- 17146. Woody vine or straggling shrub; fls. red with green tips.
Copse by river.
- 2 - X 17147. Fls. pale blue. On tidal beach.
- 17148. Weed in pasture.
- 17149. Large shrub, 10 ft.; fls. pale blue or nearly white. By
river.

West of Penal Settlement. Dec. 8, 1919.

- 17150. Shrub, 4 ft. fls. white. Old field.
- 2 - X 17151. " 8 ft. Jungle.
- 1 17153. Straggling and trailing on floor of forest.
- 17153 $\frac{1}{2}$ Marshy place in pasture.
- 17155. Shrub, 4 ft. fls. white, petals
Jungle.

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- 17156. Shrub 15 ft. fls. white, Jungle.
- 17157. Small tree fern, trunk 4 ft. (a piece in 1 specimen;
old pieces of petiole, frond of many pinnae 4 ft. long).
Jungle near river.
- 17158. Tree, 40 ft. Jungle near river.
- 17159. Woody vine; fls. suspended on stalk several feet long
(Fls. & pods, no leaves).
- 17160. Fls. yellow. Weed in pasture.
-

Penal Settlement on Essequibo River. Dec. 9, 1919.

- 17164. Lawn of prison grounds.
- 17165. Woody vine, juice milky, fls. white. Wet jungle.
- 17166. " " ; fruit in racemes 1 ft. long. Wet jungle.
- 17167. Prickly shrub, 6 ft.; fls. white. wet place in pasture.
- 17168. Tree, 30 ft., fls. white inside, purple outside; fruit
woody. Wet jungle.
- 17169. Tree 40 ft.; fls. white, pink-tinged outside, along branches
below leaves. Wet jungle.
- 17170. Tree, 10 ft., fls. yellow. Wet pasture.
- 17171. Along dike by river.
-

The Hills Estate, 3 miles south west of Bartica, Dec. 10, 1919
near Mazaruni River.

- 17173. Tree, fls. white. By riverside.
- 17174. Fls. pinkish. Weed in lime grove.
- 17175. Parasite on tree, bank above river.

- 17177. Vine on shrubs, fls. red. Old field.
-17178. Suffrutescent, 5 ft. " "
-17179. Succulent, 6 ft.; fls. pale salmon, bracts red. Old field.
-17180. Vine, somewhat woody; fr. red; climbing on shrubs in " "
-17181. " old field.
-17182. 5 ft. fls. white in old field.
-17183. Vine on shrubs " " "
-17184. Suffrutescent, 4 ft.; the 2 bracts red, central fls. yellowish.
in old field.
-17185. 2-3 ft., rays white, in old field.
/17186. fls. white. Lime grove.
-

Kijk-Over-al island in Mazaruni River, opposite Kartabo. Dec.
11, 1919.

- 17196. Shrub 2-4 ft., fls. yellow. Coast of Kijk-Over-al
/17197. Shrub 4 ft., fls. yellow. " " " "
-

Kartabo, junction of Cuyuni and Mazaruni River. Dec. 11, 1919.

- /17202. Plant & fls. pure white. On floor of virgin forest, coming
up through dead leaves; probably a root-parasite.
-17203. Tree, 30 ft. fls. white; edge of forest.
-17204. " 40 ft. " " " "
/17206. Sterile; the prickly stems creep over the floor of the
forest and send off the slender foliage shoots.
/17207. Vine, fls. yellow. Clearing.
/17208. Tree by river.

- 17209. by trail near river.
 /17210. Vine, edge of forest.
 -17212. — Along trail by river bank.
 -17213. Shrub 4-5 ft. fls. white. By trail through forest.
 -17214. Weed 3-6 ft. in clearing.
 -17215. Straggling, 1-3 ft. fls. yellow. Weed in clearing.
 /17216. Vine on tree by river.
 -17217. fls. white, weed in clearing.
 -17218. Tree, 20 ft.; fruit red. By river.
 -17220. Climbing on tree trunk, in shade near river.
 -17221. On old " " " " " "
 -17222. Tree, 20 ft.; fls. white " " " "
 2 - X 17223. Climbing in jungle.
 2 - X 17224. " on trees in jungle.
 /17225. Epiphytic on shrubs; fls. white. Forest.
 /17226. Shrub, straggling or vine like. "
 -17227. Along trail. "
 2 - X 17228. Shrub "
 /17229. Tree, 12 ft. along trail in "

R

Penal Settlement on Essequibo Road to Freer Camp. Dec. 12, 1919.

- 17230. Acaulescent or trunk creeping; fruit in a close cluster at surface of ground, red; fronds 10-15 ft, half being petiole, prickly. (Specimen A from one individual, the other three from a second; fruits appear to be same, but leaves a little different; the entire bunch of fruit goes with A,

the divided ones with other specimens). Forest.

-17231. 4-5 ft. cespitose. "

Penal Settlement, Road to Karrow Creek. Dec. 13, 1919.

/ 17232. Fruit red. Swamp in forest.

-17233. Forest bank of Karrow Creek.

-17234. Succulent; fls. white; fruit dark purple, globose;
climbing on tree trunk in wet forest.

-17235. Swamp in forest by Karrow Creek.

-17236. Tree, 25 ft., fls. whitish. Wet forest/

Penal settlement, road north along Essequibo River. Dec. 14, 1919.

-17237. Tree, 40 ft. Sandy forest (= previous specimen with fruit)

2-X 17239. Vine trailing on bank of river; fls. purple.

-17240. Fls. light purple. Forest by river.

-17242. Woody vine; fls. greenish. " "

-17243. Tree or shrub 8-15 ft.; fls. white by river on tidal flat.

-17244. Prostrate on open sandy ground.

-17247. Fls. white with pink lines. Tidal flat by river.

Bartica, junction of Mazaruni and Essequibo River. Dec. 15, 1919.

-17248. Tree, 30 ft. Low forest.

-17249. Woody vine, climbing on trees; fls. blue-purple. called
"petraea". Low forest.

17251. 2-3 ft., fls. white. Forest in the hills.
- 17252. Vine, climbing on trees; fls. red. Forest in the hills.
- 17254. Acaulescent; fronds 4 ft. long. (One specimen with base of petiole; all specimens from one frond). Upland forest.
- 17255. Climbing to height of 30 ft. Upland forest.
- 17256. Clambering over shrubs and trees, very sticky and cutting; festoons over vegetation along edge of forest, road or clearing, forming a complete covering. Called razor-grass. Lowland forest.
- 17257. Forming masses on floor of forest.
- 17258. Tree, 12 ft. fls. yellow. Lowland forest.
- 17259. Climbing on trees. Lowland forest.
- 17262. " " " and shrubs along road; fls. pinkish purple.
Bartica.
- 17263. Along ditch near river.
- 2 - X 17266. " "
- 2 17267. On river bank.

Vicinity of Bartica. Hills Estate to Kalacoon. Dec. 16, 1919.

- 17270. Small tree, 10 ft. Old field.
- 17271. 6-8 ft.; fls. white. Old field near Kalacoon.
- 17272. 3-5 ft. fls. bright pink. Low place in old field.

see 16637-40 for Dec. 26

Rockstone on Essequibo R, 6° North. lat. Dec. 31, 1919.

- 2 17286. Climbing 15 ft. (only 3 spikes seen on the single plant.)
Wet forest.

- 17288. On a low shrub; panicle 1 ft. long; specimens show only a portion of panicle. Sandy scrub.
- 17289. Straggling shrub, more or less climbing or creeping. Sandy scrub.
- 17290. Woody vine. Sandy scrub.
- 17291. 4 ft. fls. pale blue and purple. Near old camp in sandy scrub.
- 17292. Woody vine; fls. pink-purple, in sandy scrub.
- 17293. Shrub 1-2 ft.; fls. pale pink, nearly white, in sandy scrub.
- 17294. Pure white sand, sandy scrub.
- 17295. 6 ft; fls. white, sandy scrub.
- 17296. Woody vine, fls. white, sandy scrub.
- 17297. Shrub, 6 ft. fls. yellow, sandy scrub.
- 17298. Woody vine, fls. white, sandy scrub.
- 17300. Small tree, 15 ft., single bare, erect trunk, 2-3 inches diam., fragile; crown of leaves large; terminal panicle 2-3 ft.; fls. yellow-green. (Specimen show single branches of panicle). Sandy scrub.
- 17301. Terrestrial, 1-several bulbs with 1-2 leaf shoots; panicle from base, 2-4 ft. fls. yellow; bulb prickly, the midrib of old leaf-base forming the prickle. Sandy scrub.
- 17302. Straggling shrub, 3-8 ft.; fls. yellow. Sandy scrub.
- 17303. " "
- 17304. Tree or shrub, up to 20-30 ft., fls. white; common in sandy scrub.
- 17305. Tree 20-30 ft. Sandy scrub.

- 17306. Tree 20 ft. Sandy scrub.
 - 17307. Straggling or upright shrub, up to 10 ft.; fls. white, very fugaceous. Common in sandy scrub.
 - 17308. Shrub 6-8 ft.; fls. red, very showy. Sandy forest.
 - 17309. Woody vine. Sandy scrub.
 - 17310. Tree, 20 ft., much frequented by ants, fls. green. Sandy scrub.
 - 17311. Vine; fls. white. " "
 - 17312. Weed along Ry. in sand. " "
-

Rockstone, near Essequibo River, 6° North. Jan. 1, 1920.

- 17316. 10 ft. fls. pink. Along river bank.
 - /17317. Climbing in wet forest.
 - 17318. " " " "
 - 17319. White sand along Ry.
 - 17320. Wet forest.
 - 17321. Fls. white, bracts pale brown. Wet forest, along railway.
 - 17323. 1-2 ft., blades purple or green beneath. Wet forest along railway.
 - 17324. Stem woody, creeping. " " "
 - 17325. Tree, 30 ft.; fls. and panicle branches yellow. Wet forest.
 - 17326. Vine, fls. red. Along Ry. Wet forest.
 - 17329. Shrub 3 ft.; fls. & bracts purple. Along Ry. Wet forest.
 - 2 -X 17330. Woody vine; fls. white with dark eye. Along Ry. Wet forest.
-

Tumatumari, on Potaro River, 5° 20' N. lat. Jan. 3, 1920.

- 17337. Blades with pink spots. Open shade, near garden, probably escaped.

Trail from Tumatumari on Potaro River, southward to
Washerwoman Falls (5° 20' N lat.)

- 17346. Tall tree or vine in wet virgin forest (flowers gathered from ground, tree not determined).
- 17347. 4-6 ft. Wet forest.
- 17348. Shrub 6-8 ft; fls. yellow, waxy, whitish at tip; mostly single stems, flowers in axils of leaves and down the stem to the ground. Wet forest on hill.
- 17349. Plant white; floor of virgin forest among leaves.
- 17350. " " " " " " " "
- 17351. Plant white " " " " " "
- 17353. Along trail in forest.
- 17354. Shrub, 6-10 ft; fls. white. Virgin forest.
- 3-17356. " "
- 17357. Small tree, 30 ft. " "
- 17358. Shrub, 10 ft. " "
- 17359. " "
- 17360. Weed along trail. " "
- 17361. " "
- 17362. " "
-

Tumatumari on Potaro River 5° 20' N. lat. Jan. 4, 1920.

- 17365. Small tree, 30 ft. Forest on hill.
- 17366. 2 ft. fls. scarlet. Partial shade along river near dwelling.
- 17367. Weed in garden.
- 17368. Tree, 30 ft. Copse near river.
- 17369. fls. white. Low moist ground along trail in forest near river.

Trail from Tumatumari on Potaro River, Jan. 5, 1920,
to Washerwoman Falls 5° 20' N. lat.

- 17370. Leaves and fruit from ground under tall tree in forest.
 - 17371. Shrub, 2-3 ft; fls. white. Forest, along stream.
 - 17372. 2 ft. " " " " "
 - 17373. Gregarious, large bunches; fls. yellow. Low open ground in forest by stream.
 - 17374. Climbing in forest.
 - 17375. 6 ft., mostly single stems, 2 or 3 from a common crown; fls. yellow. Forest by brook.
 - 17377. Along trail in forest.
 - 17378. Climbing on lower part of tree trunk, forest.
 - 17379. Along trail in forest.
 - 17380. Small tree, 20 ft. in forest.
 - 17381. Along brook in forest, mostly in shallow water.
 - 17382. Shrub, 8-10 ft.; fls. white. Along trail in forest.
 - 17383. Along trail in forest, probably an old clearing.
-

Potaro, 10 miles south of Potaro Landing 5° 10' north lat.

59° W. long.

Jan. 7, 1920.

- 2 17384. Small tree, 15 ft.; fls. pink. Forest near stream.
2 17385. " " "
-17386. Acaulescent, fls. white. Floor of forest along trail.
/ 17387. Shrub 8 ft. fls. yellowish. Forest near stream.
-17388. Small tree, 8 ft. fls. white. Boggy place in clearing.
-17389. Tree, 30 ft., fls. dull yellowish. Forest.
-17390. Climbing along clay cliff.
-

Nos. 17391-17411 on new land made by dredge.

- / 17391. On branches of fallen tree.
/ 17392. " " " " "
/ 17393. weed in yard.
/ 17394. On branches of fallen tree.
-17395. " " " " "
2 17396. " " " " "
-17397. Vine, fls. yellow, mottled with dull brown.
-17398. 5 ft.
-17399. weed in clearing.
/ 17400. " " "
-17401. Succulent creeping vine; fls. white, tinged with pink;
fruit black.
-17402. Stem (with leaves) spiral, succulent; fls. and bracts red,
on separate leafless stem, 2-5 ft.

- 17403. Weed in clearing.
17404. 2-3 ft.; fls. white, bract and pedicels red.
-17405. Vine; fls. blue.
-17406. Tree, 40 ft.; fls. yellowish, greenish at first. Forest.

Rockstone on Essequibo River, 6° North lat. Jan. 8, 1920.

- 17412. Tree 30 ft.; fls. white. Along river, overhanging water.

West bank of Demerara River, opposite Akyma 5° 9' North
lat. Jan. 9, 1920.

- 17414. Vine, fl. yellow, much visited by ants. Hillside.
-17415. Tree, 20 ft. Hillside, in clearing.
-17417. Along brook.
-17418. Shrub, 8 ft. Shady hillside, clearing.
-17419. " or small tree, 10-20 ft.; fls. scarlet. Hillside.
-17420. 10 ft. Open shade, hillside.
-17422. Tree, 20 ft. Clearing on hillside.
-17425. Straggling shrub, 5-6 ft., fls. white. Open woods (clearing)
Hillside.
-17426. Vine, fls. white. Open woods (clearing). Hillside.
-17428. Wet clearing.
/ 17432. " woods.

East bank of Demerara R. Akyma. 5° 9' North lat. Jan. 10, 1920.

- 17440. Wet soil near river.
-17441. fls. white. Creeping over new soil. Bauxite mine.

- 17442. New soil, Bauxite mine.
- 17443. Creeping over new soil, Bauxite mine.
- 17444. Climbing on bushes, wet soil near river.
- 17445. Straggling shrub; fls. white. Wet soil near river.
- 17448. Prostrate; fls. blue. Wet forest.
- 17449. On trunk of fallen tree. " "
- 17450. Tree, 30 ft. fls. yellow. " "
- 17452. 6 ft. " "
- 17453. Blades wider than in 17452, bracts shorter and wider. Wet forest.

Mackenzie on the Demerara R. 6° North Jan. 11, 1920.

- 17455. Weed in moist grassland.
- 17456. " " " "

Morawhanna, Northwestern District, 8° 15' North, 59° 45' West. Jan. 14, 1920.

- 17478. On trunk of tree near dwelling.
- 17481. Climbing over shrubs, near dwelling (probably escaped from cult.)
- 17482. Tree, 20 ft., along shore, back of mangroves.
- 17484. Fls. yellow; weed in field.
- 17485. Vine on tree; fls. with yellow tube and white limb.
- 17486. Tree, 20 ft. Along Barima River.
- 17487. Vine; fls. purple. Along Barima River.

- 17488. 5-7 ft. back of mangroves. Along Barima River.
- 17489. Climbing high on trees back of mangroves, fls. red.
- 2 - X 17491. Fls. red-pink; tree. " " "
- 17492. On base of tree near mangroves.
- 17494. 4-5 ft. tall; 3-fid, the outer two again 2-fid; (only part in each specimen). Back of mangroves.
- 17495. Vine " " "
- 17496. fls. purple. Climbing " " "
- 17498. " salmon-red. " " "
- 3 17499. Vine, fls. red. " " "
- 17500. " " yellow with orange center. Back of mangroves.
- 17501. Shrub, 12 ft. Along Barima River.
- 17502. Tree, 25 ft. near mangroves.
- 17503. " 20 ft. " " "
- 17504. Climbing back of mangroves.
- 17507. fls. white; 5-6 ft. near mangroves.
- 17508. " red. Among mangroves.
- 17509. Vine near mangroves.
- 17510. " " "
- 17511. " " "
- 17513. Creeping and climbing. Dike of marsh.
- 17514. Straggling shrub; fls. red-pink. In mangroves.
- 17515. Vine near mangroves.
- 17516. Tree 30 by mangroves.
- 17517. Tree, 20,ft. " "

- 17519. Tree 20 ft. By mangroves.
- 17520. Shrub, 6 ft; fls. yellow, inflorescence red. By mangroves.
- 17521. Tree 30 ft. " "
- 17522. Vine " "
- 17523. On tree. " "
- 17524. "Crabwood" tree, 15 ft. " "
- 2 17525. Shrub or tree 10-15 ft. fls. red. " "
- 17526. Climbing on tree. " "
- 17527. Tree. " "
- 17528. " " " "
- 17529. Large shrub, 6-12 ft. " "
- 17530. Tree, 30 ft. " "
- 17531. Tree " "
- 17532. " , 30 ft. " "
- 17533. Vine " "
- 17534. Shrub, 8 ft. " "
- 17535. " 6 ft., along ditch " "
- 17536. " " " " " " " " " " " "
- 17537. Tree, 25 ft. " "
- 17538. " " " "
- 17539. " 30 ft. " "

Issarora on Aruka R. 8° 10' North. 59° 50' W. Jan. 16, 1920.

- 17540. 5 ft. Clearing.
- 17541. Tree, 30 ft.; pedicels red; Hill forest.
- / 17543. Said to be fish-poison. Clearing on hill.

- 17544. Shrub 4-6 ft. Clearing on hill.
- 17545. Vine, fls. white " " "
- 17546. " " yellowish, limb nearly white. Clearing on hill.
- 17549. Rays pink. " " "
- 17550. Tree, 30 ft. Hill forest.
- 17551. Vine, fls. yellow, clearing on hill.
- 17552. In forest and clearing on hill.
- 17556. Small tree or straggling shrub, 15 ft. Forest on hill.

Jan. 17, 1920.

- 17559. Wet forest.
- 17560. Tree, 30 ft. Wet forest.
- 17561. Vine, fls. yellow, with orange center. Wet forest.
- 17563. Tree, 30 ft. " "
- 17564. Shrub, 2-5 ft.; fls. red, edge of wet forest.
- 17565. Weed in low ground.
- 17566. 10-15 ft.; blades 3-5 ft. long; inflorescence red, on short stalks; cups full of water. Wet forest.
- 17563. Tree, 30 ft. " "
- 17564. Shrub, 2-5 ft.; fls. red, edge of wet forest.
- 17565. Weed in low ground, edge of wet forest.
- 17566. 10-15 ft.; blades 3-5 ft. long; inflorescence red, on short stalks; cups full of water. Wet forest.
- 17569. Terrestrial, several bulbs or small tubers. Wet field.

- ~ 17570. Spathe nearly flat, spreading, white above, green below; spadix white. Swamp.
- 17571. Tree, 20 ft., fls. pink. Wet forest.
- 17572. " " " " "
- 17573. " 30 " ; fruit scarlet, obovoid. Wet forest.
- 17574. " 20 " ; " dark purple, elliptic. Wet forest.
- / 17575. Shrub, 10 ft.; wet forest.
- 17576. Vine. " "
- 17578. Small tree, 10 ft. wet forest.
- 2 17579. " " 10 ft. " "
- 17580. 2-3 ft.; fruit scarlet " "
- ~ 17581. 5 ft.. along brook.
- 17582. Stinging hairs fierce. Edge of forest on hill.
- 17584. Wet field
- / 17586. Straggling, 4 ft. Wet forest.

Portage between Aruau and Yarikita Rivers, 8° N. 59° 55'

West. Jan. 17, 1920.

- 17591. On tree trunk in forest.
- 17592. Shrub 3-6 ft. " "
- / 17593. On tree trunk. " "
- 17595. Vine climbing on lower part of tree trunk or creeping on ground; fls. white.
- / 17596. Shrub 3-5 ft., fls. scarlet (collected before but this a larger specimen).

- 17597. Creeping in open shady ground along trail.
- 17598. Creeping or climbing on branches of shrub.
- / 17599. On tree trunk.
- / 17600 Leaf (lost) elliptic. Moist ground.
- 17601. Creeping or climbing vine; fls. yellow with brown spots or mottlings.

Yarikita River and at Yarikita. Police Station at mouth of
Yarikita. (A few collections made on Venezuelan side of Ama-
kura River as noted) 8° 2' N. 60° West. Jan. 17-18, 1920.

- 17602. Climbing on trees at Y Police Sta.
- 17603. Fls. blue, round leaves floating, in Amakura R.
- 17604. Climbing over weeds in clearing; fls. yellow.
- 17605. On overhanging dead tree, along Amakura R.
- 17606. Shrub 4-6 ft. fls. white. Forest.
- 17607. 6 ft. fls. white; fish poison, the leaves used. Clearing at Indian settlement.
- 17608. Weed in clearing.
- 17609. " " "
- 17611. Shrubby 5-8 ft. fls. white, weed in clearing.
- / 17612. Tree along Amakura river.
- 17613. " " " "
- / 17614. " " " "
- 17615. " " " "
- 17616. " " " "
- 17617. Vine, climbing high along Amakura R. fls. purple or magenta
- 17618. Tree along Amakura R. Venezuelan side.
- 17619. " " " " " "

- 17620. In Amakura R.
- 17621. Tree along Amakura R.; fruit the size, shape and appearance of onions, white and shining; dried brown (separate pkg.)
- 17622. Tree, fls. white; along Amakura R. Venezuelan side.
- 17624. Shrub, 10 ft. Forest.
- 2 17625. On overhanging tree along Amakura R. (This looks like mixture but all growing together).
- / 17626. On overhanging dead tree along Amakura R.
- / 17627. " " " " " " "
- 2 17628. " " " " " " "
- / 17629. " " " " " " "
- / 17630. " " " " " " "
- 17631. Fr. scarlet; 4 specimens from 1 panicle. On dead tree along Amakura R.
- 17632. 4 specimens from 1 panicle on dead tree along Amakura R.
- 17633. " " " " " " " " " " "
- 17634. Fruit dehiscent; tree along Amakura R.
- 17635. " " " " " "
- / 17636. On overhanging tree, along Amakura R.
- / 17637. " " " " " " "
- 17638. Tree " " " "
- 17639. On overhanging tree along Amakura R.
- 17640. Shrub along Amakura R.
- 17641. Tree " " " "
- / 17642. Vine on overhanging tree, along Amakura R.
pods pendent.

- 17643. On overhanging tree along Amakura R.
- | 17644. Fls. pink. On overhanging tree along Amakura R.
- | 17645. " " " " " " "
- 2 17646. " " " " " " "
- 17648. Water hyacinth, fls. blue; colonies floating in Yarikita R.
- 17649. Tree along Yarikita R.
- 17650. Climbing vine along Yarikita R.
- | 17651. Tree " " "
- 17652. On protruding roots or tussocks along Yarikita R.
- 2 17653. " " "
- 17654. In water " " "
- 17655. Tree " " "
- 17656. Common along Yarikita R. I could not determine (from boat) whether this was a vine or a tree with long pendent branches. Branches hanging, blades conspicuously distichous, the inflorescence hanging at end. Some of sterile branches produced long whip-like dangling ends with different leaves as shown in specimens.
- 17657. Tree along Y river.
- 3 17658. Fish poison. Clearing.
- 17659. Tree along Y river.
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