

Borealis

The Newsletter of the



PO Box 141613, Anchorage, Alaska

February - March 2022

Join us at our Next Meetings!

Monday, February 7, 7:00 PM

Main Topic: "Vegetation monitoring in recently drained lakes of the Bering Land Bridge National Preserve"
Speaker: David Swanson

Mini-Botany

Apiaceae: *Glenhnia* – Margaret Stern
Botany in the News: TBA

Monday, March 7, 7:00 PM

Main Topic: "Towards a warmer, less frozen future Arctic: ecosystem impacts, drivers, and societal responses in western Alaska"

Speaker: Dr. Gerald "J. J." Frost

Mini-Botany

Botany in the News:

Speaker:

Apiaceae Family: *Bupleurum*

Speaker: Erica Wolter

PLEASE NOTE: VIRTUAL MEETING

For the latest information about ANPS events and field trips, go to www.aknps.org/

Important News

BYLAW REFORM

This issue of Borealis is being sent through the US Postal Service to all members, even those who have requested e-mail subscriptions only. If you requested e-mailed newsletters, you will also receive this issue electronically.

With successful passage of amendments to the Alaska Native Plant Society's Constitution in late 2021, the ANPS Board of Directors has been working diligently to draft recommended changes to the Alaska Native Plant Society Bylaws. Similar to the constitutional changes, the goal of the proposed bylaw amendments is to authorize using modern technology for meetings and decision making, and to repeal some old requirements.

Under our current bylaws, a 30-day notice must be provided *by mail* and we must hold a vote at a member meeting (2/3rds of votes cast favorable). Including the notice and proposed changes with this newsletter will provide the 30-day-notice of a member vote, **scheduled for our March 7, 2022 member meeting**, on proposed amendments to our state bylaws. All active members are encouraged to attend the meeting and vote!

The proposed bylaw amendments are included on pages 6-9 of this newsletter. Visit <https://sites.google.com/aknps.org/2021-amendments/> to review the entire constitution and bylaws with explanation of the amendments.

Please send comments or questions to president@aknps.org so they can be shared with our Board.

VIRTUAL MONTHLY MEETINGS CONTINUE

We'll continue to hold our monthly meetings virtually at least for the time being. We will be using *Google Meetings*, as we did last spring. The bright side is that people all over the state (and world) can participate! If you need instructions on how to connect to the meeting, either by phone or by video, the instructions are on page 2 of this newsletter.

IT IS MEMBERSHIP RENEWAL TIME!!!

JOIN OUR VIRTUAL MONTHLY MEMBERSHIP MEETING – FEBRUARY 7, 2022, 7 PM

To join the webinar and watch the presentation:

1. Click on the Meeting ID link below to open it in a web browser. The best web browser to use for this is Chrome, but Firefox or Safari will also work. Avoid Internet Explorer.
Meeting ID: <https://meet.google.com/vax-nosy-fzd>
2. A Google Meet window should open in your browser and your camera will turn on. You'll see an image of yourself (from your computer's camera) and "What's your name?"
3. Enter your name on the line below "What's your name?" and then click the "Ask to join" button.
4. You will be granted access to the webinar. This may take a minute or two.
5. Hover over the image of yourself and click the "Mic" icon and camera icon to mute your computer mic and turn off your camera (so we all don't see you...unless you want to be seen :), respectively.

Audio:

- 1) If you use the above link you can listen and talk using headphones connected to your computer, or
- 2) Alternatively you can call the phone number below, and enter the pin and you can listen and talk through your phone while watching the live video.

Phone Number: (US) +1 352-720-0197 PIN: 711 490 807#



Borealis

the newsletter of the



ALASKA NATIVE PLANT SOCIETY

State and Anchorage Chapter Officers

President	Elizabeth Bluemink
Vice President	Zoe Meade
Secretary	Ginger Hudson
Treasurer	Aaron Wells

Program Coordinators

Plant Family/Mini Botany	Marilyn Barker
Field Trips	Beth Norris
Seed Fundraiser	Erika Wolter
Technology	Aaron Wells and Timm Nawrocki

Newsletter ("Borealis")

Editor	Ginny Moore
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Borealis is published bi-monthly, fall through spring. Articles may be sent to Ginny Moore, , Anchorage, AK 99516. Phone or FAX: , E-mail: elfinwood@gmail.com



IT WORKS!

IN 2018-2019 ANPS EARNED ALMOST \$400

FROM MEMBERS SHOPPING AT FREDDY'S!

WON'T YOU JOIN US?

IT DOESN'T AFFECT YOUR OWN REWARDS POINTS.

Fred Meyer is donating \$2.5 million per year to non-profits in Alaska, Idaho, Oregon and Washington, based on where their customers tell them to give. Here's how the program works:

- Sign up for the Community Rewards program by linking your Fred Meyer Rewards Card to (non-profit) at www.fredmeyer.com/communityrewards. You can search for us by our name or by our non-profit number **GC263**.
- Then, every time you shop and use your Rewards Card, you are helping (non-profit) earn a donation!
- **You still earn your Rewards Points, Fuel Points, and Rebates, just as you do today.**
- If you do not have a Rewards Card, they are available at the Customer Service desk of any Fred Meyer store.
- For more information, please visit

SUE'S GARDEN

By Martha Raynolds

It takes many years to create a garden like that of my neighbor, Sue Dean. By carefully observing over the years, she understands how the garden changes through the summer. Some plants might need thinning to prevent them from overwhelming their neighbors. Sue plucks and eats most of the fireweed shoots coming up in her flower beds in the spring, leaving just a few to complement the other flowers. A new addition here or there, moving a plant to a new location where it grows and shows better, all of these adjustments result in a very pleasing effect all summer long.



Because of the way Sue's house is tucked into a south facing birch-spruce woods, she has a wide range of habitats to choose from, wrapping around the building. The south side is a bright, sunny lawn. The west side of the house is full of shrubs, creating a transition between the house and the surrounding forest. The north side is the most unusual, with a shaded, rocky wall, dropping to a moist fern grotto just above the house.

The house reminds me of a Frank Lloyd Wright house in the way it follows the slope and curve of the hill. But the interior does not follow an architect's palette – it's the opposite of pretentious, small-scale, organic in décor, and cozy.

Sue's garden is especially inspiring in the spring. I love going to visit to see the *Adoxa moschatellina* – one of the first plants to flower. She carefully tends a patch of *Veronica grandiflora* (Aleutian speedwell) growing between paving stones.



In mid-summer, larger flowers put on the main show. Bright orange day lilies and a blizzard of sweet-smelling mock orange greet visitors to Sue's garden. As we celebrated her 95th birthday, the table was set off with a background of red Maltese cross, columbines, daisies, tall *Campanula* and late-blooming orange *Trollius*. Her *Delphiniums* were particularly tall and showy this year, and the poppy bed sported a variety of bright colors, from orange to red to purple.

The grotto on the north side is filled with ferns, violets and lily of the valley. The basalt rock wall behind the grotto is covered with Russian cypress (*Microbiota decussata*), *Juniperus communis* and *Juniperus horizontalis*. Little crannies along the stairs make pockets to hold special plants – *Rhodiola integrifolia*, *Potentillas*, *Polemonium acutiflorum*, *Erigerons*, *Anemones*. Water flows from small pool to pool, supporting *Calla palustris* and other aquatics.



And of course, the best part is getting to visit with my neighbor, and having her tell me the tales that go with the different plants – like the brome grass that she planted in the field below the house for her son's loaner horse one summer, which comes up every year where it's not welcome, but reminds her fondly of that year!

Sue knows a lot about Alaska plants. She often accompanied her husband Fred, a renowned bear biologist, on his field trips. Both of them would notice interesting plants, and bring back ones that they thought might do well in their garden at home. They also planted non-native perennials, usually from the Georgeson Botanical Garden.

As well as being an astute observer of nature, Sue is also a potter. She has long admired the form of the *Rosa acicularis* flower bud, but though she's an accomplished artist, she has yet to be satisfied with the way her vases mimic the delicate arch of the sepals above the budding petals.

AK NATIVE PLANT SOCIETY – 2021 ANNUAL FINANCIAL REPORT

Income (Net)

The total 2021 income was \$4,494 (Table 1). Of this total, \$2,932 (65%) flowed through our PayPal account primarily from memberships and donations, \$1,254 flowed through our Wells Fargo account primarily from memberships, and \$309 (7%) flowed through our Square account primarily from sales at the Garden Show. The option to pay for memberships and donate on our website via PayPal was added in December 2020, and the fact that nearly two-thirds of the 2021 income flowed through our PayPal account suggests this was a popular option for new and renewing memberships. Many thanks to our IT committee co-chair Timm Nawrocki for his efforts in setting up the option for online memberships.

Account	Income	% of Total
ANPS PayPal	\$2,932	65%
ANPS Wells Fargo	\$1,254	28%
Square Clearing Account	\$309	7%
Grand Total	\$4,494	100%

Table 1. 2021 Income by account, AKNPS

Figure 1 shows the breakdown of total income by category. Nearly two-thirds of the total income (64%) was from memberships. Of the total membership income 44% was from annual memberships, and 56% was from recurring memberships. Donations (21%) were the second greatest source of income in 2021. Of the total donations, 57% were general donations, and 43% were from the native seed fundraiser. Many thanks to members for supporting the Alaska Native Plant Society through your continued memberships and generous donations!

The remaining income was split almost evenly between the Garden Show (6%), Pat Holloway book sales (5%), and Awards (4%). Awards include Kroger Community Rewards and Amazon Smile. The Garden Show is an annual event that happens in late May and is located at the Midtown Mall in Anchorage. Stay tuned for more information about the 2022 Garden Show and how you can help generate rewards through Kroger and Amazon.

Expenses

The total 2021 expenses were \$1,023. Figure 2 and Table 1 show the expenses split out by category. In 2021 the greatest expense was printing costs at \$560, which accounted for 55% of the total expenses. Of the total printing costs, 62% was from printing the newsletter for those members who selected a hardcopy version, and 38% was from printing the ballot for the constitutional amendments. The second greatest expense in 2021 was the annual P.O. box fee, which accounted for 24% of the total expenses, while the third greatest expense was from the website annual domain fee (11%). Speaker Gifts (5%), Postage (4%), and PayPal Fees (1%) accounted for the remaining 10% of annual expenses. The main speakers at our

Expense Category	Cost	% of Total
PayPal Fee	\$10	1%
PO Box	\$246	24%
Postage	\$43	4%
Speaker Gifts	\$50	5%
Website Domain	\$113	11%
Printing: Newsletter	\$347	34%
Printing: Ballots	\$213	21%
Grand Total	\$1,023	100%

Table 2. Total ANPS 2021 Expenses by category

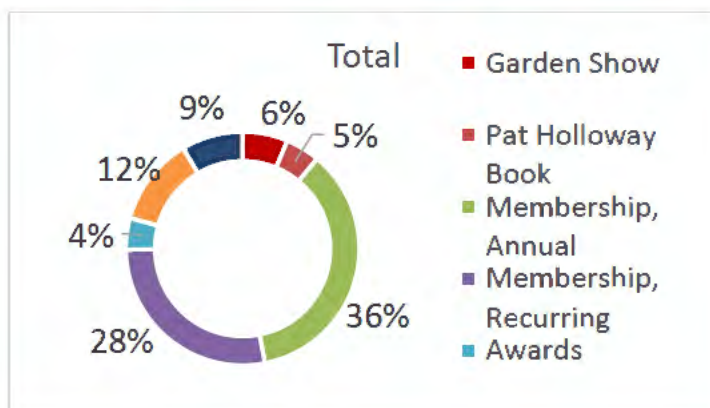


Figure 2. Total 2021 ANPS Expenses By Category

monthly member meetings are provided a modest gift to thank them for their willingness to present, and postage is primarily from mailing seeds as part of our annual native seed fundraiser. PayPal charges a small fee for each transaction, and this is the source of the PayPal fees. PayPal offers a lower fee structure for non-profits which we are signed up for. However, these fees still add up. Thus, we added an option for members to help us pay for the fee by adding it to the cost of memberships and donations. In 2021 many of our members chose to pay the fee and for that we are very grateful. Thanks to your help we were able to keep the PayPal fees very low in 2021.

One large annual expense that we typically have but that is missing from the 2021 expenses is the rental costs for the Campbell Creek Science Center (CCSC). The CCSC is where we have historically held our monthly in person member meetings. However, due to COVID19 we shifted our monthly meetings entirely to virtual events, and thus we had no CCSC rental costs in 2021. In the past the annual cost of renting the CCSC for our meetings is around \$500. Another annual expense that we typically have are the cost of workshops for which we typically spend a few hundred dollars each year. In the recent past we have hosted workshops on lichens and bryophytes, and hope to host a workshop on grasses in the future. Again, due to COVID19, we did not host any workshops in 2021. We hope to resume in person meetings and workshops as soon as is safely possible, but we will continue to follow guidelines from the Center for Disease Control (CDC) regarding mitigating the risks of COVID19.

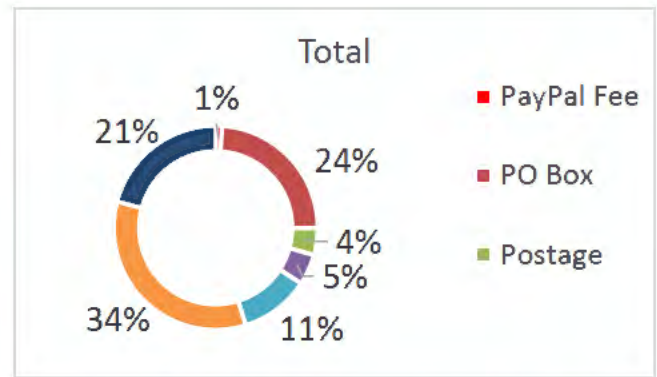


Figure 1. Total 2021 expenses by category, AKNPS

Adjusted Income

The 2021 adjusted annual income (i.e., total income – expenses) was \$3,471.

To conclude, on behalf of the Board of Directors for the Alaska Native Plant Society I want to thank all our members for your generous support. Thanks to your support we're able to continue to meet our mission of promoting the study and conservation of Alaska native plants!

Thank You!

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ALASKA

NATIVE PLANT SEEDS – GET THEM WHILE YOU CAN!

Our annual seed fundraiser is open and seeds are going fast. Seeds are available to all who are willing to make a donation (\$1.50/packet + shipping). Your donation supports AKNPS projects to promote awareness, education, and preservation of Alaska native plants.

Link to our 2022 Seed Catalog:

<https://docs.google.com/spreadsheets/d/18-FW9Cwd4roQXJsYHdkAFjZeR7QHT4NicholeHuSZy8/>

Propagation Resources

Begin with “Wildflowers for Northern Gardens” the new booklet by Patricia Holloway and Virginia Gauss that we told you about in the last newsletter, and that you can purchase from Alaska Native Plant Society!

There are numerous websites that include information on how to propagate native plant seeds. Some of these listed are specific to New England planters but the details are helpful in any northern climate.

- William Cullina’s book [Growing and Propagating Wildflowers of the United States and Canada](#) from New England Wild Flower Society
- Maine’s [Wild Seed Project](#) provides sowing and germination instructions on their web site, and sells mail-order seeds of Maine-collected native plants.
- [Prairie Moon Nursery](#) has online germination requirements for the various native seeds that they sell, as well as details of how to propagate native plants from seed.

30 Day Notice of March 7, 2022 Vote on Proposed Bylaw Amendments

With successful passage of amendments to the Alaska Native Plant Society's Constitution in late 2021, the Board of Directors is pleased to provide 30-day-notice of a member vote, scheduled for our March 7, 2022 member meeting, on proposed amendments to our state bylaws. All paid members are encouraged to attend the meeting and vote!

Similar to the constitutional changes, the goal of the proposed bylaw amendments is to allow us to use modern technology for meetings and decision making, and to repeal some old requirements.

The proposed bylaw amendments are included below for member review. Visit <https://sites.google.com/aknps.org/2021-amendments/> to review the entire constitution and bylaws with explanation of the amendments.

Under our current bylaws, a 30-day notice must be provided by mail and we must hold a vote at a member meeting (2/3rds of votes cast favorable). Please send comments or questions to president@aknps.org so they can be shared with our Board.

Elizabeth Bluemink
President

Note this notice includes recommended changes only. See [full document](#).

Draft Bylaw Amendments

3.) Membership Meetings

There will be a minimum of one meeting of the general membership of the Society during the calendar year; the date and time to be annually determined by the ~~Executive Board~~ **Board of Directors**. **Meetings may be conducted at a designated place, by remote communication, or at a designated place and by remote communication.**

For the purposes of voting at any regularly-scheduled membership meeting, a quorum shall consist of 15 members. Votes received by electronic transmission will count toward quorum.

A favorable vote consists of two-thirds (2/3rds) of the votes cast at any regularly scheduled meeting and received by electronic transmission.

4.) Elected Officer Duties

The President shall preside at membership and Board meetings, call Board meetings when necessary, appoint a three-member nominating committee, and make other appointments as necessary.

The Vice President shall conduct the business of the Society **and make arrangements for all meetings** during the absence of the president ~~and make arrangements for all meetings.~~

The Secretary shall record and report the minutes of the ~~Executive Board~~ **Board of Directors** meetings ~~and general membership meetings,~~ prepare and mail election ballots, and initiate and respond to correspondence, ~~and assure that the general membership is informed of Society activities.~~

The Treasurer shall collect all monies and dues, pay all ~~expenses-~~**bills**, maintain a ledger indicating receipts and expenditures and present a copy to the board, ~~administer chapter dues rebates, and read these~~ **give** reports at ~~the Executive Board meetings, and at the~~ **Board of Directors and** general membership meetings; **and file any and all required reports to the Internal Revenue Service.**

5.) ~~Executive Board~~**Board of Directors** Duties

The ~~Executive Board~~**Board of Directors** shall provide full direction to all business between general membership meetings, outline yearly goals and programs, evaluate special requests, and take action to ~~assure~~ **ensure** that the records of the treasurer are reviewed annually. The Board holds sole authority to determine Society policy. ~~Standing rules shall be set by the Board and reviewed annually.~~

Quorum for an ~~Executive Board~~**Board of Directors** meeting shall be one-half of the members of the Board. The presiding officer shall vote only in case of a tie vote.

6.) **Standing Committees**

Standing committees shall **may include**, but not be limited to, a Newsletter Committee and Nominating Committee.

7.) **Elections**

~~The President shall appoint a nominating committee, consisting of three voting members, at least sixty days before the election of officers.~~

~~The Board shall provide a current list of paid members to the nominating committee. The Secretary shall mail election ballots by November 15. Returned ballots must be received by the nominating committee by December 20 and counted by December 30. Officers shall serve for two calendar years.~~

The Nominating Committee shall provide a slate of officers to the Secretary by October 1 of even years. Additional nominations may be made from the floor.

Officers shall be elected in November by a favorable vote of two-thirds (2/3rds) of the votes cast at a regularly scheduled member meeting and by electronic transmission. Votes cast by electronic transmission must be received by the conclusion of this meeting. The elected officers will take office the following January and serve for two calendar years. All officers must be members of the Alaska Native Plant Society. Vacancies shall be filled by appointment by the Board of Directors.

9.) **Chapters**

~~A group of ten or more persons, who reside in the same region, and who are interested in furthering the objectives of the Alaska Native Plant Society, may make application to form a chapter. Application forms are available from the Executive Board.~~

~~A completed application form shall include the signatures of three of the persons who are applying and also the proposed boundaries of the proposed chapter. If such proposed boundaries include territory previously assigned to an existing chapter, the application must be accompanied by a waiver from the existing chapter regarding the prior assigned boundaries.~~

Each chapter shall be designated — as "The ___ Chapter of the Alaska Native Plant Society". If an organization already in existence desires to become a chapter, it may retain its name and be known additionally as "_____", of the Alaska Native Plant Society, a chapter of the Alaska Native Plant Society.

Upon approval of the application by the Executive Board, a chapter shall meet to form such By laws as are deemed to be necessary, and shall elect a President, Treasurer and any other officer(s) necessary to conduct the business of its group. One representative shall be elected to serve on the Executive Board of the Alaska Native Plant Society.

The By laws shall in no way conflict with, or be inconsistent with, the Constitution or the objectives of the Society. Meetings shall be open to the public, and membership shall be open to any persons or organization interested in furthering the objectives of the Society.

The chapter may not change its name, boundaries, or By laws without the approval of the Executive Board. A chapter must conduct at least two (2) meetings per calendar year, and submit a Treasurer's Report annually by February 28 to the Executive Board indicating amounts as of the end of the previous calendar year.

Any member of the Society who resides within the territorial limits of a chapter shall be considered to be a member of that chapter and entitled to all chapter privileges. No individual or organization may be a member of more than one chapter. Any member who resides in a territory having no chapter, or who resides within the boundaries of an existing chapter but desires membership in another chapter, may apply in writing to transfer membership to the chapter of his or her choice, and, subject to approval by the Executive Board, may become a member of that chapter.

Each chapter is authorized to undertake all such local activities as may be consistent with the objectives of the Society. No chapter, chapter officers, or chapter members shall lobby in the name of the Society or have the power to bind the Society in any manner without the approval of the Board. No chapter shall act on questions of public policy without the consent of the Board. A chapter may recommend action to be taken by the Board, or secure from it the permission to take such action as the chapter may desire. No chapter shall have any proprietary interest in the name "Alaska Native Plant Society" Chapters shall not own real estate, but the Executive Board may place management of any of the property of the Society in the care of a chapter.

A chapter may conduct fund-raising activities, provided that such activities are consistent with the objectives of the Society. A portion of the annual membership dues paid to the Alaska Native Plant Society by each chapter member shall be returned to the chapter. The Executive Board shall consider each chapter separately and determine the percentage of dues (not to exceed 30%) to be returned to each chapter. Such payments shall be made quarterly, or as needed, to the Chapter Treasurer. If a chapter desires additional funds from the Society for specific project, it shall file a written application with the Executive Board. Approval of such applications shall occur by a favorable vote of a majority of the Board.

The Executive Board may terminate or suspend chapter status and privileges if the membership of a chapter decreases to below ten voting members, or if the chapter takes any action inconsistent with the Constitution and By laws of the Society. Such action shall not necessarily affect the standing of the individual members of the Society. The Board is required to provide sixty (60) days prior written notice to the chapter of its intention to terminate or suspend that chapter's status.

Such written notice shall specify the grounds upon which the proposed action is based, and shall be furnished to the principal officer or officers of the chapter involved. Within sixty (60) days of receipt of the written notice, the chapter may present its views in opposition to the proposed action. Such opposing views must be in writing.

~~This period will afford sufficient time for the views of the chapter to be made known. The Board shall then have thirty (30) days during which to act upon its prior intention to terminate or suspend chapter status. A majority vote of the Board shall be required to decide the issue. The prior right of a chapter to use the words "Alaska Native Plant Society" as part of its name shall cease upon the termination or suspension of its status as a chapter. All finances, financial records, and physical assets shall then be returned to the Alaska Native Plant Society, c/o the Secretary.~~

109.) Amendments

~~Proposed amendments to these By laws must be submitted in writing to the Executive Board. Such proposed amendments, subject to approval by two thirds (2/3) of the members of the Board, shall be mailed to the voting members. By favorable vote of two thirds (2/3) of the voting members present at the next regularly scheduled general membership meeting, or at a specially called meeting which is at least thirty (30) days subsequent to the mailout, and of which the entire membership has been advised, the amendment(s) may be implemented.~~

These bylaws may only be amended using the following procedures:

a.) A proposed amendment must be submitted in writing to the Board of Directors for its consideration.

b.) During its consideration the Board of Directors may amend the proposed amendment, and after the discussion is concluded, the Board of Directors will vote on the proposed amendment (as amended, if applicable).

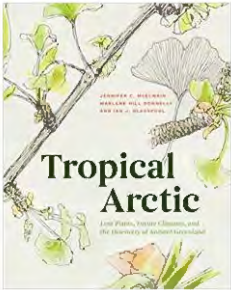
c.) If two-thirds (2/3) of the Board of Directors approve the proposed amendment, it shall be distributed to the voting members for consideration at a subsequent general membership meeting or a specially called meeting.

d.) The voting members must be given 30 days' notice that the proposed amendment will be voted on at a specified general membership or specially called meeting where a quorum is present. Quorum shall consist of 15 members, and votes received by electronic transmission by the conclusion of the meeting count toward a quorum and are tallied in the result.

e.) If two-thirds (2/3) of the votes cast at the specified general membership or specially called meeting approve the amendment, it becomes effective and these bylaws are so amended.



FROM OUR BOOKSHELVES



Tropical Arctic

Lost Plants, Future Climates and the Discovery of Ancient Greenland

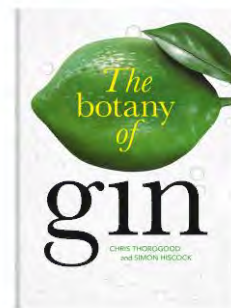
By Jennifer McElwain, Marlene Hill Donnelly, and Ian Glasspool

University of Chicago Press, 2021

ISBN: 9780226534435

Tropical Arctic tells the story of how a simple question about the color of leaves sparked a collaboration between science and art in an exploration of forests that flourished in Greenland over 200 million years ago. This book contains a sparkling account of fieldwork in the Arctic that combines tales of pilfering arctic foxes, energetic excavation of fossils on imposing cliffs, and an emergency medical evacuation by helicopter. Cutting-edge science gives way to scissors and glue as artists and scientists join forces to solve questions about the way plants grew in these ancient landscapes. *Tropical Arctic* is a wonderful synthesis of science and art with a contemporary message about the impact of rapid global warming on high latitude ecosystems. *Paul Kenrick, Natural History Museum, London*

In this gracefully written book, paleobotanists Jennifer C. McElwain and Ian J. Glasspool and artist Marlene Hill Donnelly describe changes in the climate and forests of East Greenland hundreds of years ago. They weave together the tools and tricks of both scientists and artists to produce a compelling narrative of discovery, interpretation, and illustration. The book is beautifully illustrated with photographs, sketches, and artistic reconstructions of the Triassic and Jurassic landscapes. The authors are particularly deft at describing all the scientific evidence that goes into such reconstructions.” *Judith Totman Parrish, University of Idaho*



The Botany of Gin

By Chris Thorogood and Simon Hiscock

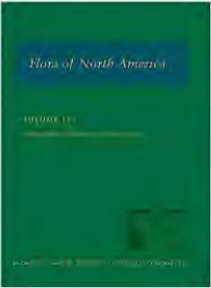
University of Chicago Press, 2020

ISBN: 9781851245536

From its roots in ancient Greek herbal medicine, the popular spirit we now know as gin was first established by the Dutch in the sixteenth century as a juniper-infused tincture to cure fevers. During London’s “gin craze” in the eighteenth century, the spirit gained popularity—and notoriety—as consumption increased rapidly. In recent years, gin has enjoyed a resurgence, with botanical flavorings offering refined new ways to enjoy the classic cocktail. From its roots in ancient Greek herbal medicine, the popular spirit we now know as gin was first established by the Dutch in the sixteenth century as a juniper-infused tincture to cure fevers. During London’s “gin craze” in the eighteenth century, the spirit gained popularity—and notoriety—as consumption increased rapidly. In recent years, gin has enjoyed a resurgence, with botanical flavorings offering refined new ways to enjoy the classic cocktail.

With this volume, Chris Thorogood and Simon Hiscock provide an account of how gin has been developed and produced. A diverse assortment of aromatic plants from around the world have been used in the production of gin over the course of several centuries, and each combination of botanicals yields a unique flavor profile that equates to more than the sum of its parts. Understanding the different types of formulation, and the main groups of plants used therein, is central to appreciating the drink’s complexities and subtleties. Garnished with sumptuous illustrations of the plants that tell the story of this complex drink, this enticing book delves into the botany of gin from root to branch. As this book’s extraordinary range of featured ingredients shows, gin is a quintessentially botanical beverage with a rich history like no other.

FROM OUR BOOKSHELVES



Flora of North America, Volume 10
Oxford University Press

The newest volume of the Flora of North America (FNA) ([Volume 10: Magnoliophyta: Proteaceae to Elaeagnaceae](#)) includes an illustration of *Chamaenerion angustifolium* that was sponsored by the Alaska Native Plant Society!

Chamaenerion angustifolium subsp. *angustifolium*, known to most Alaskans as “Fireweed”, was the perfect plant to be sponsored by ANPS. Formerly known as *Epilobium angustifolium*, it is found throughout the state and is considered to be Alaska’s summer calendar: The flowers start opening at the bottom of the spike in spring and work their way up; when they reach the top, summer is over.

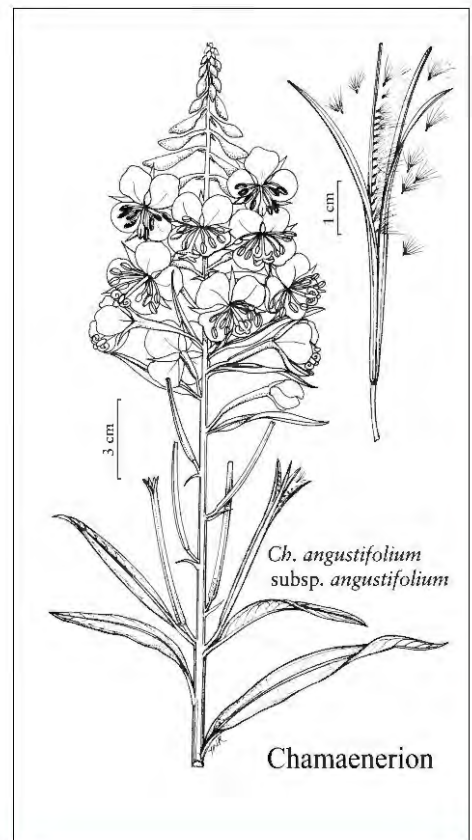
The Flora of North America aims to be a one-stop shop for the names, taxonomic relationships, distributions, and morphology of all plants found in North America north of Mexico. FNA is a 30-volume work that includes taxonomic treatments of all the native and naturalized plants growing in the region. Even though it is Volume 10 in terms of structure, this is the twenty-second volume to be published in the planned 30-volume Flora of North America North of Mexico series. <http://floranorthamerica.org/>

FNA represents the first and only comprehensive taxonomic guide to the extraordinary diversity of plant life in North America north of Mexico. The collaborative effort of more than 30 major U.S. and Canadian botanical institutions, this series revises and synthesizes literally thousands of floristic monographs and regional floras published over the last three centuries.

Flora of North America North of Mexico Volume 10: Magnoliophyta: Proteaceae to Elaeagnaceae includes treatments prepared by 24 authors covering 454 species in 66 genera classified in 12 families. Descriptions for all of the families, genera, species, and recognized infraspecies are provided, as are occurrence maps for all species and infraspecies. Every genus and more than 25% of the species are illustrated. Keys are included to aid in the identification of genera in families and species within the genera

All taxa are described and included in dichotomous keys, distributions of all species and infraspecific taxa are mapped, and about 20% of species are illustrated with line drawings prepared specifically for FNA. Producing FNA has created an international community of authors, reviewers, and editors; integrating broad-scale taxonomic knowledge with regional floristic expertise; and fostering further collaboration. Many treatments present the most current understanding of the group’s phylogeny. By providing keys and technical descriptions for numerous rare taxa and introduced species, FNA is a vital tool for botanists and others concerned with conserving the continent’s flora.

Soon after volumes are published, they are made available electronically online and data are shared with JSTOR’s Global Plants and the World Flora Online. This new site allows users to use either dichotomous or interactive keys and to search on any combination of characters, including morphology, phenology, habitat, and geographic distribution. The site will also include tools for moderated and versioned authoring and editing of treatments, allowing the *Flora* to remain up-to-date by continuously incorporating results of new research.



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