

Here's another
Special Edition
June 2020.
Enjoy. -- Bill

Lateral Lines Special Edition

The Monthly Journal of Winchester TU
Chapter #63

June 2020

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Special Edition June 2020

All WTU June & July
WTU activities are canceled.

Our next meeting is tentatively set for
Thursday, August 6, 2020.

See you whenever we are able to have our next meeting.
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ANGLER REFLECTIONS

Remembering Dave VanBenschoten 1952 - 2016

It's been four years since Dave left us, but the Redbud Valley still echoes his gravel-voice and his irreverent humor.

He showed up in 2007 and, in Bud's words, "Made the serious mistake of being interested in our stream restoration work . . . From that time on, he and TU became good friends."

He didn't fish much, and some of us recall that he only ever caught one Trout on a fly rod. He did, however, embrace the Trout Unlimited goal of stream restoration and preservation of our cold-water resources.

Dave did everything. Carried and rolled rocks, sawed trees, hammered posts, wired logs, cussed, and kept all of us in stitches with his earthy expressions and virtuoso command of the English language.

He knew more history than any dozen college professors, and could cuss a blue streak without actually saying a single cuss word!

His last work session with us was March 2016, after which he fought a month-long battle with a lung infection that he just couldn't beat.

Those of us who knew and loved him send our our love to his family and hope they know that we will never forget him.



Benthic Macroinvertebrates of North America with Latin translations and phonetic pronunciations

Compiled By: Carl A. Rettenberger after

J. Reese Voshell, Jr's "A Guide to Common Freshwater Invertebrates of North America"

Editor's Note: This is Part Two of what will be a multi-part series which will appear in subsequent editions of LATERAL LINES.

Part 2: Hemiptera

Kingdom: Animalia (ann-knee-mal-e-a)

Phylum: Arthropoda (ah-thro-po-da)

Class: Hexapoda (hex-a-po-da)

Subclass: Insecta (in-sec-ta)

Group: True Bugs (Adults & Larvae)

Order: Hemiptera (he-mip-tear-a)

Sub Order: Heteroptera (he-ter-rop-tear-a)

Water Boatmen (surface bug) 3mm - 11mm

Family: Corixidae (cor-rick-se-die)

Corixidae (Water boatman): Broad triangular beak; forelegs are scoop-like and fringed with hairs; antennae are short and concealed beneath the eyes. Swimmer; Predator



Backswimmers (surface bug) 5mm - 15mm

Family: Notonectidae (no-ta-next-tee-die)

Notonectidae (Backswimmer): Body cylindrical; antennae are short and concealed beneath the eyes; hind legs are oar-like; hind tarsal claws inconspicuous. Swimmer; Predator



Water Scorpions 15mm - 35mm

Family: Nepidae (nep-p-die)

Nepidae (Water scorpion): Body long and cylindrical; antennae are inconspicuous and concealed beneath the eyes; forelegs are raptorial other legs are long and slender; abdomen terminates into a long breathing appendage. Clinger/crawler; Predator



Creeping Water Bugs 5mm - 15mm

Family: Naucoridae (now-cory-die)

Naucoridae (Creeping water Bugs): The front legs are greatly widened and elbowed for grabbing and holding prey. The middle and hind legs are fringed with long hairs to help propel them through the water. The membranous portion of the front wings (toward the tips) has no veins. There are no breathing structures on the rear of the body.



Giant Water Bugs (subsurface) 25mm - 45mm

Family: Belostomatidae (be-loost-tow-mat-e-die)

Belostomatidae (Giant water bug): Large oval body; antennae are short and concealed beneath the eyes; raptorial front legs. Swimmer/clinger; Predator



**"Benthic Macroinvertebrates: Hemiptera"
continues on the next page.**

Benthic Macroinvertebrates of North America with Latin translations and phonetic pronunciations

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Hemiptera -- continued

Water Striders (surface bug) 3mm - 18mm
Family: Gerridae (ger-re-die)

Gerridae/Veliidae (Water striders): Variable body shape; cylindrical beak; rear legs extend well beyond the tip of the abdomen. Swimmer; Predator



Broad Shouldered Water Striders (surface bug)
2mm - 6mm
Family: Veliidae (veal-e-die)

Veliidae (Broad Shouldered Water Striders): can be confused with *Gerridae* and *Mesoveliidae*. *Veliidae* can be distinguished by how the claws on the forelegs insert before the apex and that their hind femurs are not longer than their abdomen.



Water Measurer (subsurface bug) 8mm - 15mm
Family: Hydrometridae (he-tro-me-tre-die)

Hydrometridae (Water measurer): Body slender and elongated; antennae longer than the head; head usually longer than the thorax; legs are long and slender, each with two claws. Clinger/crawler; Predator



Acknowledgements: I would like to thank the following individuals and or organizations for use of their photographs of the various macro-invertebrates as used or contained herein.

Bugguide @ <http://bugguide.net>

Cacapon Institute @ <http://www.cacaponinstitute.org>

Google Images @ <http://www.google.com>

Guide to Aquatic Invertebrates @ <http://www.dep.wv.gov>

Jason Neuswanger & Troutnut.com @ <http://www.troutnut.com/>

Mayflies of the United States @ <http://www.npwrc.usgs.gov>

Stroud Water Research Center @ <http://www.stroudcenter.org>

Carl A. Rettenberger (who put this series of articles together) is not only an expert on benthic macro invertebrates, he is also a master fly angler, master fly tyer, and expert wood carver.

Watch LATERAL LINES for more chapters in this series as Carl takes us through many other "orders" of benthic macroinvertebrates that fly anglers need to know.



Winchester TU Recycles Aluminum.

Please bring your aluminum cans to any Winchester TU event.



Why do we spend so much time and energy working on creeks?

by Bill Prokopchak

This question comes up time and time again among members of Trout Unlimited. Many new members, and often times us old timers, ask that same question.

Isn't Trout Unlimited about a bunch of folks who just want to go fly fishing?

Here's the answer.

First off, we need to look at the mission statement of TU.



The Mission of Trout Unlimited: To conserve, protect, and restore North America's coldwater fisheries and their watersheds.

The vision of Trout Unlimited is to ensure that robust populations of wild coldwater fish once again thrive within their North American range, so that our children can enjoy healthy fisheries in their home waters.

Let's face it. There's no trout fishing without cold, clear, pristine water. I grew up trout fishing in Western Pennsylvania in the 1950s. Creek after creek that my dad and I fished became polluted by industrial waste and acid mine drainage.

As kids, my buddies and I rode our bikes to the fishing spots, and when we tired of fishing, we swam in those same creeks. We even drank the water. After a day in the outdoors, we rode our bikes home, exhausted and happy. As the pollution worsened, those creeks, one by one became off limits.

TU is all about protecting and restoring those waters so that future generations of kids **and fish** will have the chance to enjoy pristine waters.



Annual Drinking Water Quality Reports for 2019 are available

The drinking water quality reports are prepared each year in accordance with the Virginia Health Department rules and regulations and the Drinking Water Regulations of the United States EPA.

Every drinking water supplier is required to provide a public statement. Here's a list of websites where you can get a copy for your locality.

Winchester City

<https://www.winchesterva.gov/utilities/water-quality-report>

Frederick County

https://www.frederickwater.com/sites/default/files/ccr_reports/2019_water_quality_report.pdf

Clarke County

<https://www.clarkecounty.gov/home/showdocument?id=5560>

Berkeley County, West Virginia

https://www.berkeleywater.org/sites/default/files/ccr_reports/thewoodscrr.pdf



The Artwork in LATERAL LINES

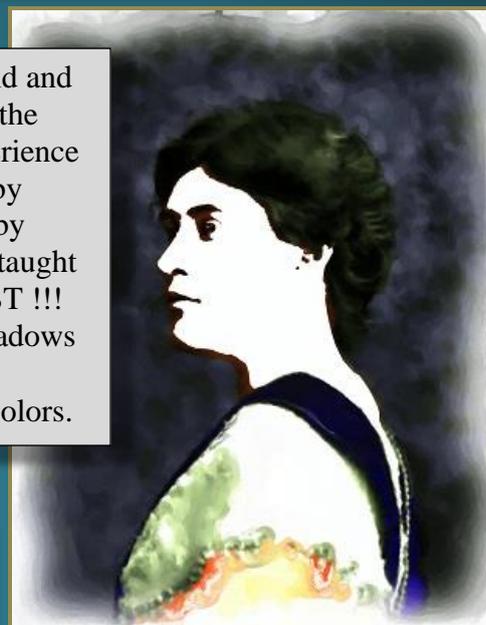
by Bill Prokopchak

Quite a number of subscribers have inquired about the artworks that the LATERAL LINES resident artist produces for the Winchester TU monthly journal. Most want to know what goes into the making of a portrait.

Although, all artists guard their special pigment recipes and brush techniques as trade secrets, our resident artist hopes the following sequence of images will show curious subscribers how our artist develops a portrait. This one is of famous author, Willa Cather, who was born near Back Creek, right here near Winchester. This portrait first appeared in the May 2020 edition of LATERAL LINES.



Step #1: After settling on a model for the portrait, I begin working from what is called *negative space*. I rough in the general outlines of the subject by painting in the background, hair, some shadows to mark the places for the eyes, lips, nose, and ears. Basically, I just daub in some color to make the suggestion of hair.



Step #2: Doing the background and hair first enables me to define the *negative space*. Years of experience ruining perfectly good works by messing up the whole picture by doing background LAST, has taught me to do the background FIRST !!!

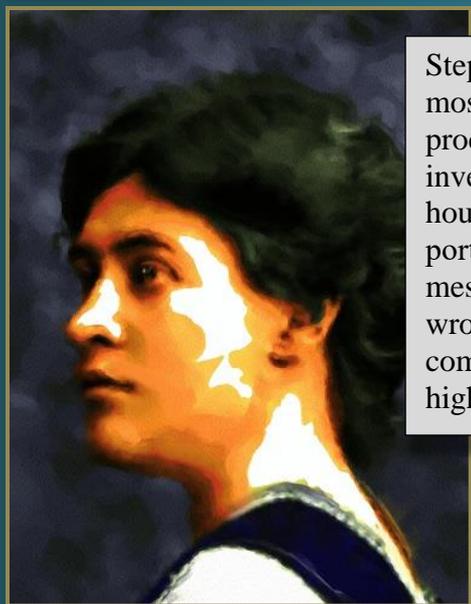
I then begin refining the shadows around the facial features and blending in different shadow colors.



Step #3: Little by little, I expand the shadows of the face, gradually using lighter colors, and defining the facial features as I go. In this portrait, I decided to do just a hint of detail in the hair and dress.



Step #4: I continue the process of adding shadow across more of the face and deepening some of the shadows I have already laid down. The highlights of the face gradually emerge.



Step #5: Now comes the most worrisome part of the process for me. I have invested at least 10 or 12 hours of work on this portrait. I don't want to mess it up by selecting the wrong brush or color to complete the last few highlights on the face.



Final Step: When is the work finished? Do I risk going back to retouch parts of the face? Are the shadows too harsh? The ear: What about the ear?

By now, I have 15 hours over 4 days on this portrait. I decide to just stop. It's ready to show.



films

photos courtesy of Patagonia Films

A homemade 15-foot cane rod, lines meticulously braided from the tail of a stallion, simple flies tied by hand without the aid of a vise -- this is pesca alla Valsesiana -- fishing in the Valley of the Sesia River.

Originating on the small mountain streams of northern Italy, this simple, beautiful style of fishing has been in practice since at least the 16th century.

The second film, ARTIFISHAL, is a film about people, rivers, and the fight for the future of wild fish and the environment that supports them.

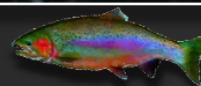
It explores wild salmon's slide toward extinction, threats posed by fish hatcheries and fish farms, and our continued loss of faith in nature.



<https://www.patagonia.com/stories/il-pescatore-completo/video-85862.html>



<https://www.patagonia.com/stories/artifishal/video-79192.html>



article by Carolyn Thomas
photo courtesy of
American Conservation Film Festival

The American Conservation Film Festival returns to Shepherdstown March 24-28, **2021**.

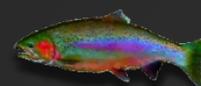
There are some special events in the planning for the fall. Learn more - <https://conservationfilmfest.org/>

Until then, here's a film from the 2019 festival which features a fish close to home.

SHAD RUN: THE STORY OF AMERICA'S FORGOTTEN FISH is a short documentary film that chronicles the abundance, demise, and triumphant revival of a fish.

The American Shad is both famous and forgotten: this film highlights the citizens who refused to let them fade away and those who are still united by the quest to fish the Potomac's renowned shad run.

Watch the film:
<https://vimeo.com/249266518>



2020 Calendar of Events Winchester Trout Unlimited

All scheduled WTU events are
tentative due to COVID-19.

See also

<http://winchestertu.org/>

July 2020

- ✓ No Monthly Meeting in July 2020
- ✓ July Redbud Run workday -- Time to be announced at a later date
- ✓ No BarFly in July

August 2020

- ✓ Thursday 6 August 2020 -- 7:00 p.m. -- Monthly TU meeting
Wayne Webb will talk about the bacteria levels in the Shenandoah River.
- ✓ Saturday 8 August 2020 -- Redbud Run workday -- Time to be announced at a later date
- ✓ Wednesday 12 August 2020 --7:00 p.m. - BarFly at Escutcheon Brewery

September 2020

- ✓ Thursday 3 September 2020 -- 7:00 p.m. -- Monthly TU meeting
Wayne Webb will talk about the bacteria levels in the Shenandoah River.
- ✓ Saturday 5 September 2020 -- Redbud Run workday -- Time to be announced at a later date
- ✓ Wednesday 9 September 2020 --7:00 p.m. - BarFly at Escutcheon Brewery

October 2020

- ✓ Thursday 1 October 2020 -- 7:00 p.m. -- Our annual joint meeting with the Northern Shenandoah Valley Audubon Society at Lord Fairfax Community College in Middletown is set for Oct. 1. The topic will be recycling.
Dinner before the meeting -- 5:00 p.m. at I.J. Cann's
- ✓ Saturday 3 October 2020 -- Redbud Run workday -- Time to be announced at a later date
- ✓ Wednesday 14 October 2020 --7:00 p.m. - BarFly at Escutcheon Brewery

November 2020

- ✓ Thursday 5 November 2020 -- 7:00 p.m. -- Monthly TU meeting
Tom McCabe will regale us with stories about fishing in South America.
- ✓ Saturday 7 November 2020 -- Redbud Run workday -- Time to be announced at a later date
- ✓ Wednesday 11 November --7:00 p.m. - BarFly at Escutcheon Brewery
- ✓ 8 to 14 November 2020 -- Winchester TU Steelhead Week

December 2020

- ✓ December 2020 -- No monthly meeting in December
- ✓ Saturday 5 December 2020 -- Redbud Run workday -- Time to be announced at a later date
- ✓ Wednesday 9 December --7:00 p.m. - BarFly at Escutcheon Brewery
- ✓ December 2020 -- Winchester TU Holiday Party & Fundraiser -- Date to be announced at a later time

January 2021

- ✓ January 7, 2021 -- No monthly meeting in December
- ✓ Saturday January 9, 2021 -- Redbud Run workday -- Time to be announced at a later date
- ✓ Wednesday January 13, 2021 --7:00 p.m. - BarFly at Escutcheon Brewery



The opinions expressed in *Lateral Lines* are those of the individual authors and are not necessarily those of Winchester Trout Unlimited or Trout Unlimited National.

All water sports, including fishing, and stream restoration activities have inherent dangers. Participation in all Winchester Trout Unlimited activities is at the participant's own risk and participants agree to hold harmless Winchester Trout Unlimited and its members. A responsible adult must accompany all minors.

