



August 1979

Published monthly by the Metropolitan Golf Course Superintendents Association

Vol. IX, No. 7

MEETING NOTICE

ANNUAL MGCSA FAMILY PICNIC

Monday August 20th 3 to 10 p.m.

Woodway Beach Club, Hobson St., Stamford, Conn.

Hosts: Marie, Sherwood and Glenn Moore

Hamburgers, hot dogs, sausage and all the trimmings. Soda and beer, BYOB, set-ups provided. Games and prizes for the kids. Swimming, tennis, volleyball, badmitten, ping-pong, etc., etc., etc. \$5.00 per person for adults and children, 12 and over. Children under 12 free. Guests welcome.

Directions: **Going east on Conn. Tpke. (I-95)**, take exit #8. At foot of ramp, turn right, go under R.R. bridge and at next light, turn right. Go to next light and turn left (MaGee Ave.) Continue on MaGee Ave. which will merge with Shippan Ave. at light. Stay on Shippan Ave. to first glimpse of Long Island Sound. Turn left onto Hobson St. (pink stucco house on corner) Beach Club is at foot of Hobson St. on right.

Going west on Conn. Tpke. (I-95), take exit #8, and at foot of ramp, make a left under both Tpke. and R.R. bridge and follow directions above.

Special Note: In case of inclement weather, call Sherwood.

COMING EVENTS:

August 16-19	Westchester Classic
August 20	Family Picnic—Woodway C.C.
August 22	Univ./Rhode Island Turfgrass Field Day
September 20	MGCSA Invitational, Ridgeway C.C.
September 25	CAGCS Field Day, Beardsley Park, Bridgeport
October 2-3	NJGCSA Field Day, Rutgers University Stadium, Piscataway
October 16	MGCSA Monthly Meeting, Salem G.C. (2nd round, Supt. Championship)
November 13-15	N.Y.S. Turfgrass Association Conference & Equipment Show, Syracuse
November	MGCSA Annual Meeting
February 17-22	GCSAA's Conference & Show, St. Louis, Missouri

MGCSA NEWS

The weather couldn't have been better for the First Round of the Annual Superintendent's Championship held at Innis Arden Golf Club on Thursday, July 19th. We had some 50

for golf and this is how the gross scores look:

Vincent Pentenero, Siwanoy Country Club	74
Jim Fulwider, Century Country Club	76
Mark Millett, Westchester Hills Golf Club	77
Gus Powell, Round Hill Club	77

The final round of the Superintendent's Championship will be held on October 16 at Salem Golf Club along with the tournament for class B and C members.

Our speaker for the evening was A. Martin Petrovic, Assistant Professor of Turfgrass Science at Cornell University. Mr. Petrovic's presentation centered around research done relative to compaction and aerification along with discussion on what other areas of research he plans to direct his efforts on. A question and answer period followed with interesting comments on wetting agents and their role in turf management.

Congratulations to Alberta and Peter Rappoccio on the birth of their son, Peter Joseph Rappoccio. We understand that the stork arrived on Sunday, July 29th at 5 a.m.

At the monthly meeting of the MGCSA Board of Directors held on Thursday, July 12 at the Fairview Country Club, the following membership classifications were acted upon:



July meeting of MGCSA at Innis Arden G.C. Speaker Martin Petrovic of Cornell University with Bob Alonzi, President, MGCSA, and James McArdle, Innis Arden Greens Committee.



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<i>Treasurer</i>	Sherwood Moore, Woodway Country Club, Inc. Office 203-329-8257, Home 203-322-0004

Not copyrighted. If there is good here, we want to share it with all chapters — unless author states otherwise.

Publication deadline for *Tee to Green* is 21 days before the regular meeting.

Richard Young, Assistant to Terry Boles at the Bedford Golf & Tennis Club voted B member.

Timothy O'Neill, Assistant to Paul Caswell at Greenwich Country Club voted a B member.

Welcome to the MGCSA!

Ted Jozwick, retired Superintendent of the Fairview Country Club was voted a Life Member.

Also at the Board meeting, the Board voted to place the name of Mel Lucas in nomination for the office of President of the GCSAA.

This month's return card will be requesting survey information from the membership for both Health Insurance and address change information. Please be sure to return the cards to Sherwood Moore even if you will not be attending the Family Picnic.

Well, as this is being written, we are into the third week of both high heat and high humidity complete with Brown Patch, Dollar Spot and on a few early humid mornings, some Pythium. And the forecasts of widely scattered showers must be somewhere else. The 100 days are almost $\frac{2}{3}$ over. And then we can regroup and refine our maintenance operations along with recuperating ourselves.

You know, each of our courses is unique in nature and unique in the maintenance practices which keep it in shape. And the collective experiences that each one of us go through each summer "holding" the grass is vast. If you haven't guessed by now, I'm again asking for articles from superintendents for the *Tee to Green*. Have you tried a new product and want to share with others on how it worked? How about that new piece of equipment you bought this spring? What can it do, what can't it do? And I'm sure the old timers have

some hints that it will take us younger fellas years to learn.

We can call it whatever we want, but it's really helping each other. We're here today with the many tools at our disposal because pioneers before us with very primitive maintenance tools tried by trial and error in beginning this work and they shared their experiences with us. I believe we also have a responsibility, not only to help each other, but to make the road a bit easier for those young men who will follow in our footsteps. We have many beautiful courses in our area along with a great deal of collective knowledge on how they got that way.

So why not sit down and jot down an experience which you feel would benefit our membership and that you want to share.

After all, You Are A Key Person.

Pat Lucas



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GCSAA NEWS:

FINAL CALL FOR GCSAA OFFICER NOMINATIONS

September 1, 1979, is the *deadline* date for submitting nominations for the offices of President, Vice President and Director of GCSAA. Send nominations to:

Mr. Theodore W. Woehrle, CGCS
3390 Witherbee
Troy, Michigan 48084



MGCSA President Bob Alonzi, left, and GCSAA Vice President Mel Lucas, right, with an English visitor, Chris Mardon, Superintendent of West Malling Golf and Country Club, from Maidstone, Kent, England.

The qualifications, duties and responsibilities, etc. are available from GCSAA Headquarters upon request.

THIRD AND FINAL REQUEST FOR DISTINGUISHED SERVICE AWARD NOMINATIONS

The GCSAA Executive Committee will accept nominations for the Distinguished Service Award *ONLY* until September 4, 1979. All nominations must be received by that date to be considered.

Qualifications for the Distinguished Service Award were outlined in the May Chapter Newsletter. Send all nominations to: Mr. David C. Holler, CGCS

300 Swedeland Road
King of Prussia, PA. 19406

FALL SEMINAR SCHEDULE IS SET

The 1979 Fall seminar schedule is almost complete. GCSAA will offer five two-day seminars in Cincinnati, Ohio, on December 2nd & 3rd, 1979. The exact location within Cincinnati is yet to be determined. The following is a list of the seminars to be offered and the cost.

	Member Cost	Non-Member Cost
Irrigation II Equipment/Operations	\$80.	\$115.
Landscape I Design Theory	\$90.	\$125.
Management II Personnel	\$80.	\$115.
Nutrition I Principles	\$80.	\$115.
Pesticide III Insects	\$80.	\$115.

The seminars are being offered immediately prior to the Ohio TURFGRASS Conference. Members and non-members should plan to attend both if at all possible.

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GCSAA'S BUDGET MANUAL HAS BEEN MAILED

GCSAA's Budget Manual has been mailed 3rd Class to all Class A, AA, B, Assoc., Aff., Retired and Inactive members. Additional copies of the manual will be available to members for \$2.50 and non-members can purchase copies for \$5.00

The new Information Central Flyer was included with the Budget Manual so all members will also receive the up-dated listing of all materials available from GCSAA. Please remind your chapter members that any items ordered from the Information Central Flyer must be accompanied by the proper payment in U.S. dollars.

ST. LOUIS CONFERENCE AND SHOW PLANS WELL UNDER WAY

Stouffers has been designated as the Headquarters Hotel for the 1980 Conference and Show to be held in St. Louis, February 17-22, 1980.

The local host chapter is the Mississippi Valley GCSA. Robert V. Mitchell, Jr. is the president of the Mississippi Valley GCSA and the Host Committee Chairman is Lee Redman. With the help of the host chapter, we are bound to have the biggest and best Conference and Show ever.

The Education Department is lining up the speakers for the Conference and Show and it looks as though there is going to be a wide range of topics covered. Topics that will be of interest to everyone.

The theme this year is "Conservation: Our Key to the Future."

A St. Louis Conference and Show information flyer will be mailed to all GCSAA members in August. The Conference Packet is scheduled to be mailed to all members in early October.

PESTICIDE III SEMINAR TO BE HELD IN TORONTO

A Pesticide III Insect Seminar is now scheduled to be held in Toronto on October 24-25, 1979. The seminar will be in the Constellation Hotel. The instructor will be Dr. Harry Niemczyk from the Ohio Agricultural Research and Development Center.

Editor's Note: Our thanks to Sabato Autorine of Blind Brook Club for forwarding this article to us.

Pat Lucas

United States Department of the Interior
Fish and Wildlife Service
One Gateway Center
Newton Corner, MA 02158

NUISANCE CANADA GEESE

Of all the waterfowl, Canada geese geese, particularly, are opportunists and take advantage of the easy living conditions offered them by people. The problem is not new; nor is it confined to one area of the country. In Southern New England and the Central Atlantic States suburban goose flocks have developed during the past several years. In these areas, there are situations where people have inadvertently encouraged geese by their landscaping and other area beautification.

Canada geese require fresh water areas for resting and nesting; and new tender grasses, grains, or other succulent vegetation for feed. Therefore, the well-manicured lawns of homes, golf courses and parks located near water provide ideal sites and attract geese.

Conflicts have now developed because although few Canada geese in an area are acceptable, flocks are no longer small and are expanding as the young birds return. Frequently, this means extensive grazing of grass and considerable volumes of droppings in some areas. Reservoirs, swimming pools, beaches, and other bathing areas become fouled, and sanitation problems occur when these birds congregate. Noise becomes intense during the evening, night, and early morning as these birds "talk" to each other.

In spite of the problems, these birds are a valuable natural resource and a source of recreation to the general public, bird watchers and hunters alike.

Geese, like all native waterfowl and other migratory birds, are protected by the Migratory Bird Treaty Act of 1918. This Act states that it is unlawful to hunt, kill, sell, purchase or possess migratory birds, except as permitted by regulations adopted by the Secretary of the Interior. This protection of migratory birds is indicative of the value placed on this



Bob Lippman

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natural resource.

To solve the problems Canada geese are causing, the most important consideration is timing. It is much easier and more effective to drive birds from an area when they first arrive. Once they become established, they become more tolerant to disturbances and are more reluctant to leave.

Devices commonly used to move birds from an area follow:

Mechanical Barriers

The use of fences, hedgerows, or any physical device to control the movement of Canada geese is perhaps the most effective tool in controlling these birds. In the majority of problem areas, the geese walk—not fly—to and from the pond to the feeding areas. A low, solid fence or other barrier to prevent access to any area may be all that is needed to solve a problem.

Diminishing Attractive Factors

Since geese generally walk when leaving a waterway to feed, the edges of ponds and streams can be banked (using rock walls, wood cribbing, or other means) to prevent goose movement. Vegetation, such as grasses along the water's edge, can be changed to less desirable ground cover plants. Do not keep vegetation mowed short as this encourages new growth on which the birds will feed. Do not create small islands or peninsulas as they provide good nesting sites for geese. If they exist, consider changes to make these areas unavailable to the birds.

Feeding

In many instances, a major attraction to geese is the supplemental food offered by people to attract and hold the birds in

an area. If geese are a problem, all feeding should be discontinued to force the birds to revert back to natural food supplies. In most instances, this will make an area less attractive to geese.

Bird Control Shotgun Shells

A permit may be required for firearms. Special shells will project a noise bomb up to 75 yards and are fired from a 12-gauge shotgun. By utilizing these shells when geese first come into an area, they can be effectively persuaded to go elsewhere. The use of these shells in conjunction with balloons as scarecrows will enhance the effectiveness of both.

Balloons

Large balloons, 30 inches in diameter, filled with helium, tethered on a 40-50 foot monofilament line will give the scarecrow effect. One red balloon for every five to ten acres should give effective results in the daytime. At night, white or yellow balloons should be used.

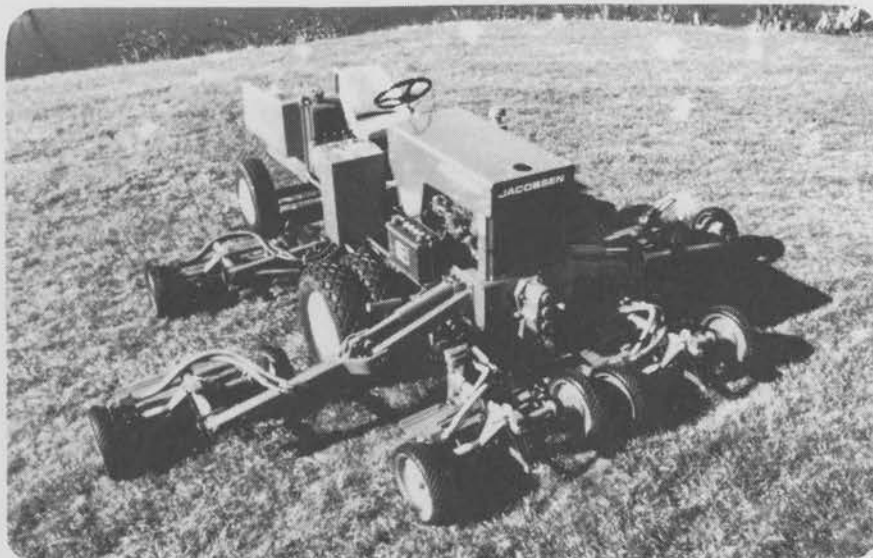
Scarecrows

Scarecrows, a traditional method of controlling birds may be quite effective, if properly used. It is not necessary to spend time making an elaborate design as a loose sack of straw or a wide streamer of plastic will frequently suffice. Proper placement and constant motion are also important.

Automatic Exploders

A permit may be required to use these devices as they operate on propane gas and generate a noise much louder than a shotgun. The noise intensity and timing can be controlled manually. Exploders should be used only in areas where excessive noise will not create a nuisance.

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USE CHAINSAWS TO EASE TREE MAINTENANCE CHORES

A chainsaw can be a valuable tool to the golf course superintendent who must maintain a course with an average-to-large number of trees. In addition to felling dead or diseased trees, a chainsaw can be a great timesaver in tree maintenance—trimming and removing limbs, and cutting up branches on the ground, for example. There are a number of rules that should be followed, however, to keep the use of a chainsaw safe.

- Kickback—the sudden thrust of the saw back toward the operator—occurs when the top of the chain or the end of the saw catches in a cut or on an unseen limb. To minimize this hazard, teach the chain saw operator to stand off to one side of the operating saw and to grip the saw handles securely. Being prepared for possible kickback is the best injury preventative.

If you are in the market for a new saw, look for “anti-kickback” chains and metal guards that fit on the end of the bar, keeping the tip from accidentally catching on anything. These guards can be removed if the full length of the bar is required for cutting.

- Be sure that the chain is snug. A chain that's too loose or too tight is hazardous. The chain should slide freely, without binding.

- Be sure the chain is sharp. Once an hour while using the saw is not too often to check this. A sharp chain is easy to use and carves out clean chips. A dull chain needs pressure to cut and produces dust-like chips. You can do routine sharpening yourself with a file guide designed especially for your chain size and tooth angle. You must use a straight chainsaw file, not a rattail file.

- Wear gloves when handling the saw. They guard against burns from the hot motor and abrasions from the sharp saw teeth.

- Be careful when fueling a saw. Loosen the gas cap slowly, guarding against gasoline spray from built up vapor pressure. Fill the saw away from flammables, especially sawdust, and put out all cigarettes.

- Always shut off the saw when moving around the site. Don't take a chance on losing your footing and injuring yourself.

- Above all, think before you act.

Credit: Fore Front

USING SNAPSHOTS AS PART OF YOUR INVENTORY RECORDS

Insurance on your equipment and inventory is partial protection at best, unless you keep up-to-date records of your insured items. The most reliable of insurers will only comply with the terms of your policy, and it's always up to you to prove your losses.

First is the tedious step of inventorying your property. To simplify matters, start by taking a photograph safari through your building. Open drawers, lay things out, and photograph everything. Photograph one side of an area, then take closer shots of items located there. Repeat for the other side.

Color prints are best, although costly. To do the job right, getting everything you have on film will use up several rolls.

Taking snapshots will help you remember items you might otherwise fail to claim after a fire, theft, or other covered loss. People tend to understate property claims by forgetting numerous items at a time of stress.

Your prints serve as the basis of your golf course inventory system. On the back of each close-up shot, list items shown, serial numbers if any, dates acquired and approximate values if possible.

Then the prints go in business envelopes along with canceled checks and invoices. The package should fit in a safe or in a safety deposit box.

Next, total the value of your equipment and inventory to see whether your insurance is adequate. Note that most policies pay a depreciated value. Many newer policies however, pay on the actual replacement value of these items.

Credit: Fore Front



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MGCSA July meeting at Innis Arden G.C. Left to right, Joe Fogg and Howard Jordan, maintenance crew; James McArdle, Greens Committee; Pat Lucas, Host Superintendent; Art Schrameck, Tom O'Neill and Joe Perma, maintenance crew. . .all of Innis Arden G.C.

A Perfect World

(That is Walter Lowell)

*Were we of the same mold
Of A Walter Lowell.
There'd hardly be a speck of sin,
And no finer World to live-in;*

*Ah, if the God's that be,—
Would flush away the current sins,
And begin the World anew;
Then, were they to call upon one,—
A special Human-Being to start it all;
One who'll glow beyond all others,
In all avenues of true benevolence;
Which Man would you say would be chosen,—
To fill a New-World with Beauty?
Truly,—only one,
He'd be Walt Lowell.*

Frank Paladino

PROTECT EMPLOYEES' EYES FROM WORKPLACE HAZARDS

Golf course workers' eyes are exposed to a large number of potentially damaging materials; chemical dust or vapor, wood or metal chips, small airborne stones and splashes of acids, alkalis and corrosives. No employee should be allowed to jeopardize his eyesight by indulging in unsafe practices at work.

Proper supervision is the first step to eye protection. By establishing and enforcing safe operating rules, you significantly reduce the chances of injury.

The right equipment may also assist in efforts to make work areas safer, including shields, screens and hoods. Remember that other workers in the same area and passersby should be protected also. Provide personal protection to employees with goggles or masks.

Here are some suggestions from INSIDE OSHA, a supplement to OSHA REPORT, for solving eye protection problems.

1. Whenever possible, let the workers who will wear the protective devices select the type they like and will agree to wear.
2. Lens fogging can be prevented by rubbing both sides of the lens with soap that has a high level of glycerine. Rub the soap off with a dry cloth. "Antifog" goggles are commercially available.
3. Be sure that all areas where potentially dangerous procedures are performed (welders, grinders, spray booths, chemical mixing and tank filling areas) are well lit and well ventilated.
4. Have proper first aid equipment available, and be certain that all employees know how to use it. This should include sterile water in squeeze bottles for immediate flushing of chemicals from the eyes.
5. Be sure that all employees, including you, understand and obey safety rules. You cannot expect employees to obey the rules if you don't.

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The U.S. Department of Commerce, National Oceanic & Atmospheric Administration, operates the National Weather Service Forecast Office at 30 Rockefeller Plaza, New York, N.Y. 10020.

This service provides the latest forecasts, weather observations both from the National Weather Service and U.S. Coast Guard Stations, and emergency weather warning bulletins. The station for this area is National Weather Service VHF-FM broadcasting station KWO-35. The station is located at Rockefeller Center in New York City and provides weather information to the general public and to boatmen within about a 40 mile radius of midtown Manhattan. Here at Innis Arden we are about 35 miles from NYC and receive KWO-35 loud and clear on most occasions. The transmitter operates on a FM frequency of 162.54 megahertz (MHz) with a capacity of 1000 watts. The next closest N.W.S. station is at Bradley Field in Hartford which can also be picked up at times.

KWO-35 is in continuous 24 hour operation, with a taped

weather message which recycles when completed. Tapes are updated usually hourly to include the latest forecasts or observations. Routine reports are interrupted when necessary for severe weather warnings.

A typical broadcast contains the following information:

1. The overall weather picture
2. A local area forecast
3. A regional forecast
4. The extended outlook, 7:00 p.m. to 11:00 a.m.
5. Degree-day information during the winter months, 5:00 a.m. to 11:00 a.m.
6. Selected reports from N.W.S. stations
7. A radar summary, 5:00 a.m. to 10:00 p.m.
8. Marine forecasts
9. Observations of wind, weather, visibility, and sea conditions from the U.S. Coast Guard stations, 5:00 a.m. to 10:00 p.m.
10. Occasional notices to mariners
11. All pertinent weather warnings

I find this station very helpful in dealing with the weather. At approximately 5:30 a.m. each morning a new forecast is announced which is plenty of time to make any adjustments in that day's work that weather may dictate. Also information provided can be very useful such as rising or falling barometer, temperature/humidity index (useful for the magic pythium number of 155) winds, etc. In addition, the hourly radar report advises of the presence of thunderstorms in the area which can be an important safety factor.

The overall weather summary describes the main pressure systems and fronts affecting the region's weather. The radar

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summary provides information regarding location, intensity and movement of areas of precipitation. These include thunderstorms, showers, rain, and snow, within 125 miles of the radar's operations range.

NOAA reports their weather broadcasts usually can be heard as far as 40 miles from the antenna site, sometimes more. The effective range depends on many factors, particularly the heights of the broadcasting antenna, terrain, quality of the receiver, and type of receiving antenna. As a general rule, listeners close to or perhaps beyond the 40 mile range should have a good quality receiver system if they expect reliable reception. Also, an outside antenna may be required in these fringe areas. If practicable, a receiver should be tried at its place of intended use before making a final purchase.

I have a cube type weather radio from Radio Shack which gets good reception most of the time. If there are reception problems, we use a Sony AM/FM with a weather band along with a small antenna.

In comparing KWO-35 forecasts with other forecasts on radio, there is sometimes a difference. All in all, I find KWO-35 more reliable than other forecasts.

Pat Lucas

Something to think about. . .

Whether our efforts are, or not, favored by life, let us be able to say, when we come near the great goal, "I have done what I could."

Louis Pasteur

SEVEN WAYS TO INCREASE YOUR PERSONAL PRODUCTIVITY

Increasing your personal productivity does not mean working harder or longer. It means working smarter. Here are 7 ways to accomplish more of what's most important to you with less time and effort.

1. *Manage your time the way you manage your business.* A successful business budgets, controls, and regularly evaluates its use of its assets. To increase productivity, you must manage your most important asset—your time—in a similar way.

The first step is deciding what your most important goals

are. Ask yourself: What do I most want to accomplish for my employer—and myself—in the next several months? Concentrate on the most important goals.

Next, you should outline, in writing, the steps you must take to accomplish these goals. Again, focus on the most critical steps. Also try to set out a timetable for completing each of these steps.

Reevaluate your goals frequently. Get in the habit of asking yourself: Is this still the best use of my time?

2. *Focus each day's activity on your important goals.* Each day, you face a collection of things you have to do, would like to do, want to avoid, can't forget, and so forth. How do you sort these out?

An effective way is to list these activities and rank them according to how much they help you accomplish your important goals. You can categorize it: A, if it is urgent or a significant step toward achieving your goals; B, if it is of lesser value; and C, if it can be postponed.

Use your list to manage your discretionary time. Try not to work on any B's or C's until you have finished all your A's. At the end of the day, you can use the list to evaluate how effectively you spent your time.

3. *Audit your personal activities for several days.* Like many busy executives, you may be unsure of where the time goes each day.

The first step in the audit is to make a simple chart and record how you spend your time throughout the day. Try to account for all your time—"missing time" is often wasted time.

At the end of each day, review your chart and see how much time you spent on your important goals and tasks. Ask yourself questions like these:

What kept me from spending more time on my A and B activities?

What was my most frequent distraction or interruption? How can I avoid it in the future?

What steps can I take tomorrow to spend more time on my A and B activities?

What activities could I have delegated, postponed, or



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dropped completely?

4. *Learn from mistakes.* You can turn mistakes to your advantage by trying to learn from them. Take whatever you think was your biggest mistake in the last week or month and ask yourself:

What should I have done differently?

What can I do now to prevent the mistake from recurring?

A less painful way to learn from mistakes is to learn from the mistakes of others. When you do this, ask:

Could the same thing happen to me?

What can I do now to avoid having the same problem?

5. *Be careful about taking work home.* Sometimes you have no choice but to take work home with you. But don't forget that the possibility of working at home can be a crutch that keeps you limping through the day. It's easier to fritter an afternoon away if you think, "I'll do my important work tonight." Try to work for a week on a no-homework rule. If you can't do that, set a limit on the work you do at home.

6. *Don't overcommit yourself.* There is a limit to what you can accomplish in a day or a week. Don't commit yourself to doing more than you can successfully handle.

7. *Overcome mental blocks.* Many people are occasionally hampered by mental blocks that keep them from starting some important work. You can often overcome these blocks by analyzing them. Here are some examples:

Do you lack facts? Then start with some research.

Is the task overwhelming? Then divide it into smaller tasks and begin with just one of these tasks.

Are you tired? Take a break.

Are you afraid of something? Figure out what you fear.

You'll often find that it doesn't merit your concern.

Do you lack conviction? Think about what you're trying to accomplish and be sure it's really worthwhile.

Make a habit of productivity. These 7 ways of increasing your productivity will work if you use some of them every day. Making them part of your work habits will improve your production, which will benefit both you and your employer.

Credit: Fore Front.

UNDERSTANDING RPAR

RPAR—Rebuttable Presumption Against Registration—is a procedure used by the EPA to gather and evaluate the possibility of a chemical's bad effects on the environment or the population. RPARs are issued when the EPA finds preliminary evidence that a product may exceed certain danger limits.

RPAR does not mean that the manufacture or use of a compound is banned. It only means that the EPA has reason to believe that a substance may pose a danger and should be investigated. By issuing an RPAR the EPA is giving manufacturers and users an opportunity to register their evidence and opinions regarding the chemical's use.

After a specified amount of time, the EPA weighs the evidence for and against the use of the compound and announces a decision. "Government Briefs," a regular department of GOLF COURSE MANAGEMENT carries news about the EPA, including announcement of RPARs, along with other government news of importance to golf course superintendents.

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